

NORMALİZASYON

Normalizasyonun Faydaları

1. Diskten Tasarruf Sağlar
 2. Sorguları Hızlandırır
 3. Veri Tutarlılığını Sağlar
-

KitapID	KitapAd	Yazar	YayinEvi	YayinEviiletisim	YayinEviAdres	YayinEviIBAN	Fiyat
1	Suç ve Ceza	Dostoyewski	İş Bankası	11111111111	Atatürk Mah.	987654321	18
2	Sefiller	Victor Hugo	Sis Yayıncılık	2222222222	Kızılay Mah.	123456789	20
3	Anne Karenina	Tolstoy	Yapı Kredi	3333333333	İstiklal Mah.	024813579	22
4	Diriliş	Tolstoy	Yapı Kredi	3333333333	İstiklal Mah.	024813579	24
5	Savaş ve Barış	Tolstoy	İş Bankası	11111111111	Atatürk Mah.	987654321	26

KitapTable				
KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Suç ve Ceza	Dostoyewski	1	18
2	Sefiller	Victor Hugo	2	20
3	Anne Karenina	Tolstoy	3	22
4	Diriliş	Tolstoy	3	24
5	Savaş ve Barış	Tolstoy	1	26

1. Veri tekrarı önleildi
2. Sorgular hızlandı
3. Veri tutarlılığı sağlandı

YayinEviTable				
YayinEviID	YayinEvi	YayinEviiletisim	YayinEviAdres	YayinEviIBAN
1	İş Bankası	11111111111	Atatürk Mah.	987654321
2	Sis Yayıncılık	22222222222	Kızılay Mah.	123456789
3	Yapı Kredi	33333333333	İstiklal Mah.	024813579

BİRİNCİL ANAHTAR (PRIMARY KEY)

Birincil Anahtar (Primary Key)

Bir tablonun birincil anahtarı, tabloda depoladığınız **her satırı benzersiz şekilde tanımlayan** bir veya daha çok alandan oluşur. Genellikle, birincil anahtar olarak işlev gören bir TC kimlik numarası gibi benzersiz bir tanımlayıcı vardır. Günlük hayatımızda da, TC Kimlik Numaramız, illerin plaka ve posta kod numaraları bağlı buldukları ülkelerde benzersiz numaralardır birincil anahtarları başlarındaki sayısal ifadelerdir. Birincil anahtarlar hiçbir zaman NULL(boş) veya birbiri ile aynı olan değerleri içeremez.

KitapTable				
KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Suç ve Ceza	Dostoyewski	1	18
2	Sefiller	Victor Hugo	2	20
3	Anne Karenina	Tolstoy	3	22
4	Diriliş	Tolstoy	3	24
5	Savaş ve Barış	Tolstoy	1	26

Birincil Anahtarlar

YayinEviTable				
YayinEviID	YayinEvi	YayinEviiletisim	YayinEviAdres	YayinEviIBAN
1	İş Bankası	11111111111	Atatürk Mah.	987654321
2	Sis Yayıncılık	22222222222	Kızılay Mah.	123456789
3	Yapı Kredi	33333333333	İstiklal Mah.	024813579

Object Explorer

- Connect
- SQL Server 15.0.2080.9 - DESKTOP-7V
- Databases
 - System Databases
 - Database Snapshots
 - firma
 - kitap
 - lesson1
 - lesson2**
 - personel
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

```
create database lesson2
```

214 %

Messages

Commands completed successfully.


Completion time: 2021-11-07T12:31:47.1515944+03:00


214 %

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- Management
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- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

```
create database lesson2
```

Microsoft SQL Server Management Studio

 This database does not have one or more of the support objects required to use database diagramming. Do you wish to create them?

 Copy message

214 %

Messages

Commands completed successfully.

Completion time: 2021-11-07T12:31:47.1515944+03:00

214 %

Query executed successfully. | (local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | lesson1 | 00:00:00 | 0 rows

Object Explorer

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 - Synonym
 - Program
 - Service
 - Storage
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- personel
- Security
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- Replication
- PolyBase
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- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

- New Database Diagram
- Filter
- Reports
- Refresh

```
create database lesson2
```

214 %

Messages

```
Commands completed successfully.  
  
Completion time: 2021-11-07T12:31:47.1515944+03:00
```

214 %

Query executed successfully. | (local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | lesson1 | 00:00:00 | 0 rows

DESKTOP-7VLULDE.lesson2 - Diagram_0 - Microsoft SQL Server Management Studio

File Edit View Project Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V)

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- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0

SQLQuery1.sql - (L...E\Patnos MYO (66))*

Add Table

Tables

Refresh Add Close

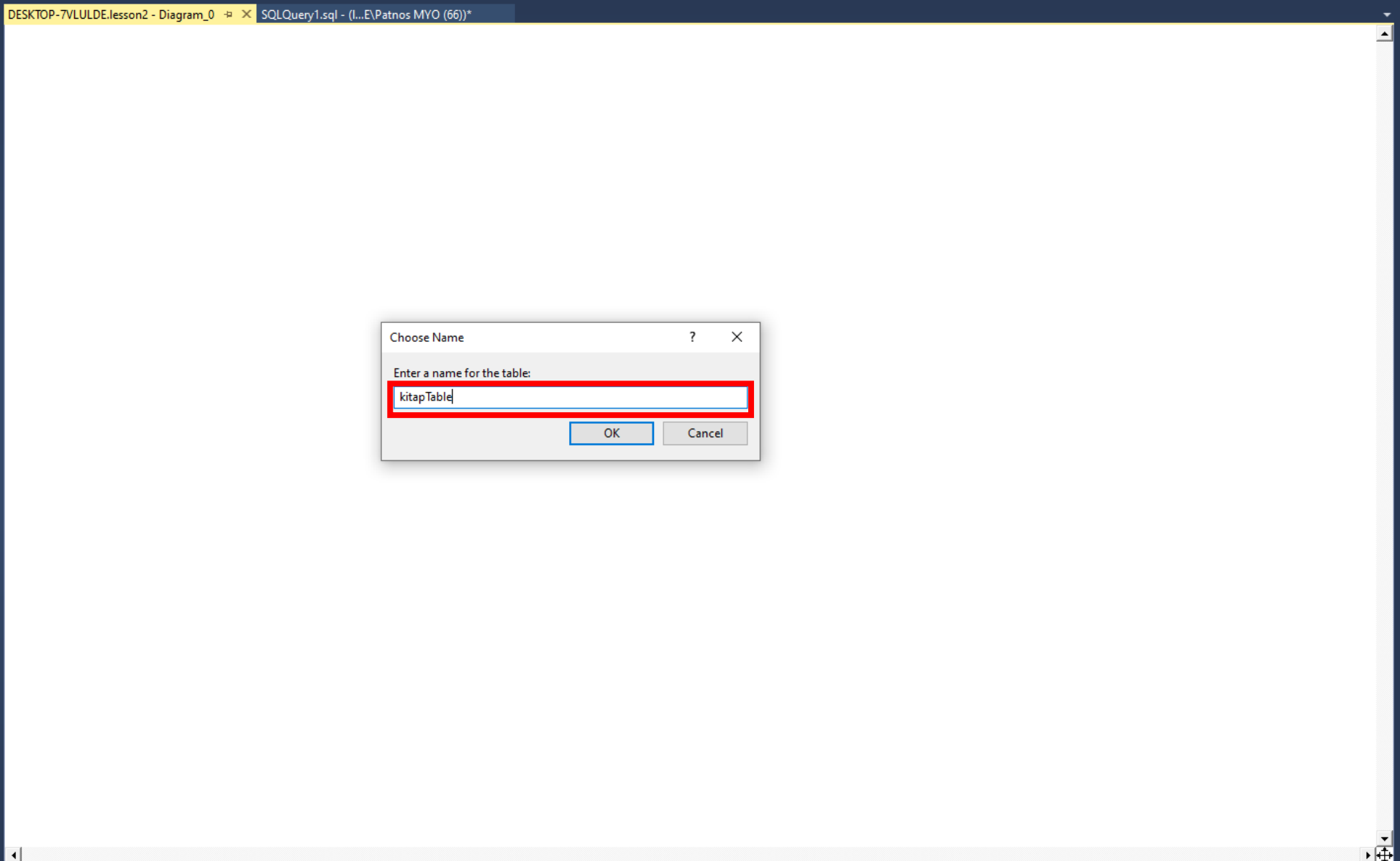
Şu an veri tabanımız içerisinde herhangi bir tablo yer almadığı için bu alan boş görünmektedir. Diyagram içerisinde tablolarımızı oluşturmak istediğimiz için **Close** butonuna basalım.

Object Explorer

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 - XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0

SQLQuery1.sql - (L...E\Patnos MYO (66))*



Choose Name

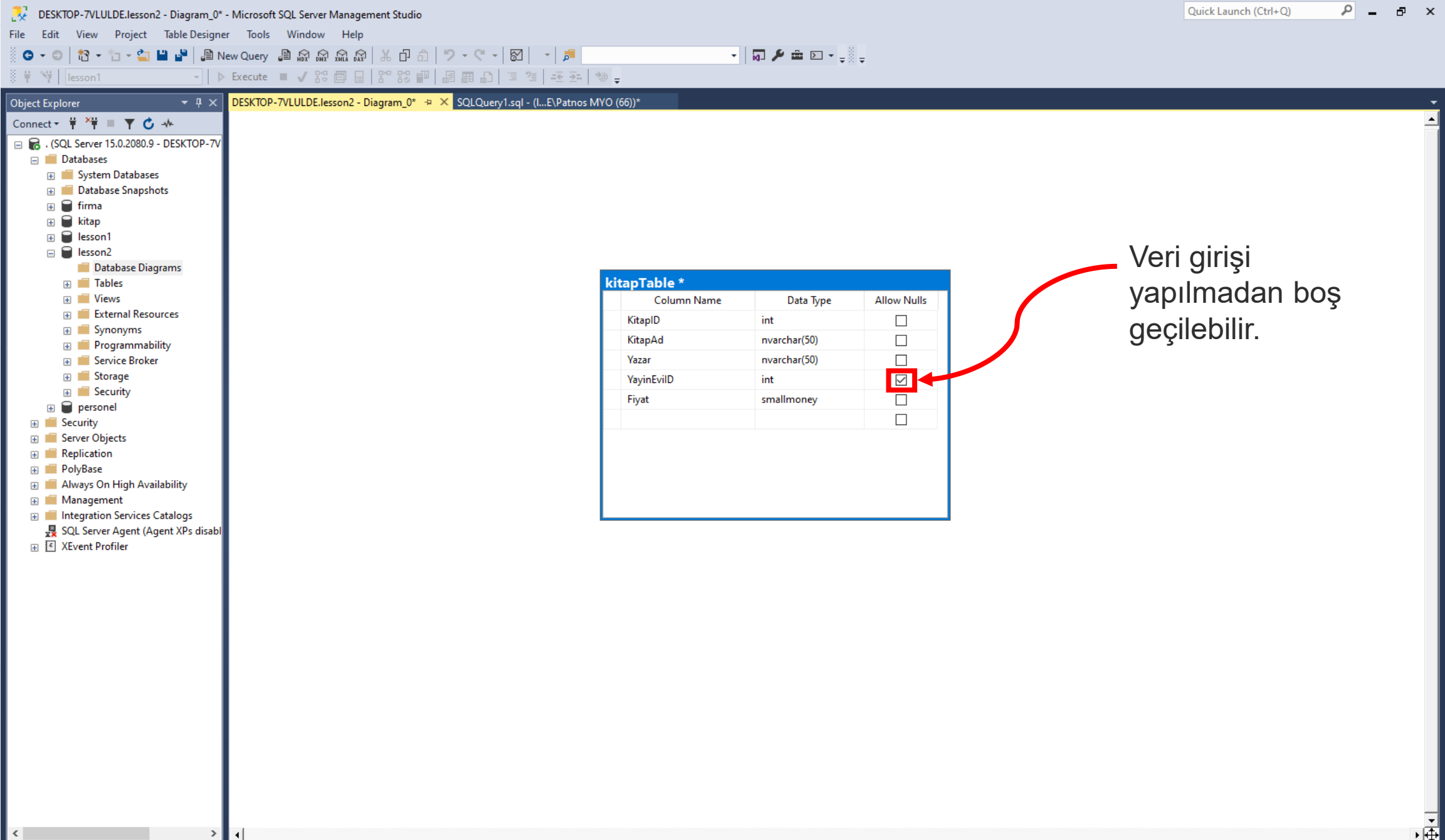
Enter a name for the table:

kitabTable

OK Cancel

KitapTable

KitapID	KitapAd	Yazar	YayinEvID	Fiyat
1	Suç ve Ceza	Dostoyewski	1	18
2	Sefiller	Victor Hugo	2	20
3	Anne Karenina	Tolstoy	3	22
4	Diriliş	Tolstoy	3	24
5	Savaş ve Barış	Tolstoy	1	26



Veri girişi yapılmadan boş geçilebilir.

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

(SQL Server 15.0.2080.9 - DESKTOP-7V)

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- Management
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- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0* SQLQuery1.sql - (I...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>

kitabTable *

- Table View
- Set Primary Key**
- Insert Column
- Delete Column
- Delete Tables from Database
- Remove from Diagram
- Add Related Tables
- Autosize Selected Tables
- Arrange Selection
- Relationships...
- Indexes/Keys...
- Fulltext Index...
- XML Indexes...
- Check Constraints...
- Spatial Indexes...
- Generate Change Script...
- Properties Alt+Enter

KitapID içerisinde benzersiz kayıtlar olacağı için Mouse ile üzerine gelerek sağ tıklayıp **Set Primary Key** seçeneğini seçerek birincil anahtar olarak işaretliyoruz.

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

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- XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0* SQLQuery1.sql - (I...E\Patnos MYO (66))*

Artık bu alana tekrar eden veriler girilemez.

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvilD	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Object Explorer

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- XEvent Profiler

Diyagramı kayıt ediyoruz.

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvilD	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Object Explorer

Connect

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DESKTOP-7VLULDE.I...sson2 - Diagram_0* x SQLQuery1.sql - (...E\Patnos MYO (66))*

kitapTable	
KitapID	
KitapAd	
Yazar	
YayinEvilD	
Fiyat	

Table View

- Standard
- Column Names
- Keys
- Name Only
- Custom
- Modify Custom ...

- Remove Primary Key
- Insert Column
- Delete Column
- Delete Tables from Database
- Remove from Diagram
- Add Related Tables
- Autosize Selected Tables
- Arrange Selection
- Relationships...
- Indexes/Keys...
- Fulltext Index...
- XML Indexes...
- Check Constraints...
- Spatial Indexes...
- Generate Change Script...
- Properties Alt+Enter

Tabloyu
görüntüleme
seçenekleri

Object Explorer

Connect [Server Icon] [Server Name] Refresh (F5)

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 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

DESKTOP-7VLULDE.l...sson2 - Diagram_0* x SQLQuery1.sql - (...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvilD	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Object Explorer

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- New Table...
- Design
- Select Top 1000 Rows
- Edit Top 200 Rows**
- Script Table as
- View Dependencies
- Memory Optimization Advisor
- Encrypt Columns...
- Full-Text index
- Storage
- Stretch
- Policies
- Facets
- Start PowerShell
- Reports
- Rename
- Delete
- Refresh
- Properties

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvilD	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Veri Girişi Yapıyoruz.

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V)

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- XEvent Profiler

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Sefiller	Victor Hugo	1	18,0000
1	Suç ve Ceza	Dostoyewski	2	20
NULL	NULL	NULL	NULL	NULL

DESKTOP-7VLULDE.I...sson2 - Diagram_0*

SQLQuery1.sql - (L...E\Patnos MYO (66))*

Microsoft SQL Server Management Studio

No row was updated.

The data in row 2 was not committed.
Error Source: .Net SqlClient Data Provider.
Error Message: Violation of PRIMARY KEY constraint 'PK_kitapTable'. Cannot insert duplicate key in object 'dbo.kitapTable'. The duplicate key value is (1).
The statement has been terminated.

Correct the errors and retry or press ESC to cancel the change(s).

Tamam Yardım

of 2 | 2 | Cell is Modified.

Aynı ID numarasına sahip iki kayıt olduğu için hata veriyor. Çünkü Birincil anahtar alanına benzersiz kayıtlar girilmesi gerekmektedir.

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V)

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KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Sefiller	Victor Hugo	1	18,0000
	Suç ve Ceza	Dostoyewski	2	20
NULL	NULL	NULL	NULL	NULL

Microsoft SQL Server Management Studio

Invalid value for cell (row 2, column 1).

The changed value in this cell was not recognized as valid.
.Net Framework Data Type: Int32
Error Message: Input string was not in a correct format.

Type a value appropriate for the data type or press ESC to cancel the change.

Tamam Yardım

of 2 | 2 | Cell is Modified.

Birincil anahtar alanına veri girişi yapılması zorunludur. Veri girişi yapılmadığı takdirde yeni kayıtların girişi engellenir.

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KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Sefiller	Victor Hugo	1	18,0000
2	Suç ve Ceza	Dostoyewski	2	20,0000
3	Anne Karenina	Tolstoy	3	22,0000
NULL	NULL	NULL	NULL	NULL

DESKTOP-7VLULDE.lesson2 - Diagram_0DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

(SQL Server 15.0.2080.9 - DESKTOP-7V)

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DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

DESKTOP-7VLULDE.I...sson2 - Diagram_0*

SQLQuery1.sql - (L...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>

- Table View
- Remove Primary Key
- Insert Column
- Delete Column
- Delete Tables from Database
- Remove from Diagram
- Add Related Tables
- Autosize Selected Tables
- Arrange Selection
- Relationships...
- Indexes/Keys...
- Fulltext Index...
- XML Indexes...
- Check Constraints...
- Spatial Indexes...
- Generate Change Script...
- Properties Alt+Enter

KitapID alanındaki değerlerin otomatik artışı için **KitapID** sütununun üzerine gelerek sağ tıklayıp **Properties** seçeneğini tıklıyoruz.

DESKTOP-7VLULDE.lesson2 - Diagram_0DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

(SQL Server 15.0.2080.9 - DESKTOP-7V)

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Database Snapshots

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DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

DESKTOP-7VLULDE.I...sson2 - Diagram_0*

SQLQuery1.sql - (L...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Properties

[Col] KitapID

(General)

(Name) KitapID

Allow Nulls No

Data Type int

Default Value or Bir

Database Designer

Collation < database default >

Computed Column

Condensed Data Ty int

Description

Deterministic Yes

DTS-published No

Full-text Specificati No

Has Non-SQL Serve No

Identity Specificatio No

(Is Identity) No

Identity Increate Yes

Identity Seed No

Indevable

Is Columnset No

Is Sparse No

Merge-published No

Not For Replicatio No

Replicated No

RowGuid No

Size 4

(Is Identity)

Açılan menüden Identity Specification altında yer alan **Is Identity** seçeneğini **Yes** yapıyoruz.

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

(SQL Server 15.0.2080.9 - DESKTOP-7V)

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DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

DESKTOP-7VLULDE.I...sson2 - Diagram_0*

SQLQuery1.sql - (L...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Properties

[Col] KitapID

(General)

(Name) KitapID

Allow Nulls No

Data Type int

Default Value or Bir

Database Designer

Collation < database default >

Computed Column

Condensed Data Ty int

Description

Deterministic Yes

DTS-published No

Full-text Specificati No

Has Non-SQL Serve No

Identity Specificatio Yes

(Is Identity) Yes

Identity Increme 1

Identity Seed 1

Is Columnset No

Is Sparse No

Merge-published No

Not For Replicatio No

Replicated No

RowGuid No

Size 4

Identity Increment

Ready

17°C Kısmen güneşli 13:02 7.11.2021

Identity Increme: Artış Miktarı
(Kaçar kaçar artması gerektiğini buradan belirliyoruz.)
Identity Seed: Başlangıç Değeri.
(Kaçtan başlaması gerektiğini buradan belirliyoruz.)

Değişiklikleri kaydetmek için **Ctrl + S** yapıyoruz.

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V

Databases

System Databases

Database Snapshots

firma

kitap

lesson1

lesson2

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.kitapTable

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

personel

Security

Server Objects

Replication

PolyBase

Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent (Agent XPs disabl

XEvent Profiler

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

KitapID	KitapAd	YayinEviID	Fiyat	
1	Sefiller	1	18,0000	
2	Suç ve Ceza	Dostoyewski	2	20,0000
3	Anne Karenina	Tolstoy	3	22,0000
NULL	NULL	NULL	NULL	NULL

DESKTOP-7VLULDE.I...sson2 - Diagram_0

SQLQuery1.sql - (...E\Patnos MYO (66))*

Properties

[Qry] Query1.dttq

(Identity)

(Name) Query1.dttq

Database Name lesson2

Server Name desktop-7vlulde

Query Designer

Destination Table

Distinct Values No

GROUP BY Extensic <None>

Output All Column No

Query Parameter Li No parameters have be

SQL Comment ***** Script for SelectTo

Top Specification Yes

(Identity)

of 3

Değişiklikleri görüntülemek için açık olan veri girişi panelini kapatıyoruz ve daha sonra **Edit Top 200 Rows** ile yeniden açıyoruz!

Connect

- (SQL Server 15.0.2080.9 - DESKTOP-7V)
 - Databases
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 - Database Snapshots
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 - kitap
 - lesson1
 - lesson2
 - Database Diagrams
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 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - View
 - Ext...
 - Syn...
 - Pro...
 - Serv...
 - Stor...
 - Secu...
 - person...
 - Security
 - Server Obj...
 - Replication
 - PolyBase
 - Always On
 - Managem...
 - Integratio...
 - SQL Server...
 - XEvent Prof...

- New Table...
- Design
- Select Top 1000 Rows
- Edit Top 200 Rows
- Script Table as
- View Dependencies
- Memory Optimization Advisor
- Encrypt Columns...
- Full-Text index
- Storage
- Stretch
- Policies
- Facets
- Start PowerShell
- Reports
- Rename
- Delete
- Refresh
- Properties

DESKTOP-7VLULDE.l...sion2 - Diagram_0 SQLQuery1.sql - (...E\Patnos MYO (66))*

kitapTable

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvilD	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

[Dgm] Diagram_0

(Identity)

(Name) Diagram_0

Database Designer

Database Name lesson2

Owner dbo

Server Name desktop-7vlulde

(Identity)

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V

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SQL Server Agent (Agent XPs disabled)

XEvent Profiler

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Sefiller	Victor Hugo	1	18,0000
2	Suç ve Ceza	Dostoyewski	2	20,0000
3	Anne Karenina	Tolstoy	3	22,0000
4	Savaş ve Barış	Tolstoy	3	17,0000
* NULL	NULL	NULL	NULL	NULL

SQLQuery1.sql - (...E\Patnos MYO (66))*

Properties

[Qry] Query1.dtc

(Identity)

(Name) Query1.dtc

Database Name lesson2

Server Name desktop-7vlulde

Query Designer

Destination Table

Distinct Values No

GROUP BY Extensic <None>

Output All Column No

Query Parameter Li No parameters have be

SQL Comment ***** Script for SelectTo

Top Specification Yes

(Identity)

Ready

13:10 7.11.2021

Yeni bir veri girişi yapmak istediğimde artık **KitapID** değeri girişi yapmama gerek kalmadan veri girişi yapabiliyoruz.

Otomatik artış değeri tablo oluşturulur oluşturmaz yapılmalıdır.

Daha önce 3 veri girişi yaptığımız için o değerler bu işlemde etkilenmemektedir. Sonraki değerler için otomatik artış işlemi yapılmaktadır.

YABANCIL ANAHTAR (FOREIGN KEY)

Yabancı Anahtar (Foreign Key)

Tablo içerisindeki verilerin birbirleri ile iletişim kurabilmeleri amacıyla kullanılan anahtarlardır.

Birincil anahtarlar hiçbir zaman NULL(boş) veya birbiri ile aynı olan değerleri içeremezken, yabancı

anahtarlar birbirleri ile aynı olan değerler içerebilirler. Bir tabloda birden fazla yabancı anahtar

kullanılabilir. Kısacası yabancı anahtar, bir tabloya girilebilecek verileri başka bir tablonun herhangi

bir alanında yer alabilecek veriler ile sınırlandırmak ve ilişkilendirmek için kullanılır. Yabancı

anahtara, başka bir tablonun birincil anahtarıdır da denilebilir.

Object Explorer

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 - Database Diagrams
 - dbo.Diagram_0**
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 - personel
 - Security
 - Server Objects
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 - Always On High Availability Management
 - Integration Services Catalogs
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0* | DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable | SQLQuery1.sql - (L...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvilD	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Properties

[Dgm] Diagram_0

- (Identity)
 - (Name) Diagram_0
- Database Designer
 - Database Name lesson2
 - Owner dbo
 - Server Name desktop-7vlulde

(Identity)

YayinEviTable

YayinEviID	YayinEvi	YayinEviiletisim	YayinEviAdres	YayinEviIBAN
1	İş Bankası	11111111111	Atatürk Mah.	987654321
2	Sis Yayıncılık	22222222222	Kızılay Mah.	123456789
3	Yapı Kredi	33333333333	İstiklal Mah.	024813579

Object Explorer

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DESKTOP-7VLULDE.lesson2 - Diagram_0* | DESKTOP-7VLULDE.le...2 - dbo.kitapTable | SQLQuery1.sql - (I...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEvilD	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Properties

[Dgm] Diagram_0

- (Identity)
 - (Name) Diagram_0
- Database Designer
 - Database Name lesson2
 - Owner dbo
 - Server Name desktop-7vlulde

(Identity)

- New Table...
- Add Table...
- New Text Annotation
- Paste Ctrl+V
- Select All Ctrl+A
- Show Relationship Labels
- Arrange Tables
- Zoom
- View Page Breaks
- Recalculate Page Breaks
- Copy Diagram to Clipboard

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 - XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0* | DESKTOP-7VLULDE.le...2 - dbo.kitapTable | SQLQuery1.sql - (L...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat		

Choose Name

Enter a name for the table:

YayinEviTable

OK Cancel

Properties

[Dgm] Diagram_0

(Identity)

(Name) Diagram_0

Database Designer

Database Name lesson2

Owner dbo

Server Name desktop-7vlulde

(Identity)

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

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DESKTOP-7VLULDE.lesson2 - Diagram_0*

DESKTOP-7VLULDE.le...2 - dbo.kitapTable

SQLQuery1.sql - (I...E\Patnos MYO (66))*

Properties

[Dgm] Diagram_0

(Identity)

(Name) Diagram_0

Database Designer

Database Name lesson2

Owner dbo

Server Name desktop-7vlulde

(Identity)

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayinEviIletisim	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviIban	char(26)	<input type="checkbox"/>

Telefon numaraları 11 karakter ve Iban numaraları 26 karakterden oluştuğu için **Char** veri tipi kullanıldı.

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

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 - XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0* x DESKTOP-7VLULDE.le...2 - dbo.kitapTable SQLQuery1.sql - (L...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
Table View		<input type="checkbox"/>
Set Primary Key		<input type="checkbox"/>
Insert Column		<input type="checkbox"/>
Delete Column		<input type="checkbox"/>
Delete Tables from Database		<input type="checkbox"/>
Remove from Diagram		<input type="checkbox"/>
Add Related Tables		
Autosize Selected Tables		
Arrange Selection		
Relationships...		
Indexes/Keys...		

Properties

[Col] YayinEviID

(General)

(Name) YayinEviID

Allow Nulls No

Data Type int

Default Value or Bir

Database Designer

Collation < database default >

Computed Column

Condensed Data Ty int

Description

Deterministic Yes

DTS-published No

Full-text Specificati No

Has Non-SQL Serve No

Identity Specificati No

Indexable Yes

Is Columnset No

Is Sparse No

Merge-published No

Not For Replicatio No

Replicated No

RowGuid No

Size 4

(General)

YayinEviID sütunundaki veriler benzersiz olacağı için sağ tıklayarak **Set Primary Key** seçeneğine tıklıyoruz.

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V

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DESKTOP-7VLULDE.lesson2 - Diagram_0* DESKTOP-7VLULDE.le...2 - dbo.kitapTable SQLQuery1.sql - (L...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>

YayinEviTable *

YayinEviID int

Table View

Remove Primary Key

Insert Column

Delete Column

Delete Tables from Database

Remove from Diagram

Add Related Tables

Autosize Selected Tables

Arrange Selection

Relationships...

Indexes/Keys...

Fulltext Index...

XML Indexes...

Check Constraints...

Spatial Indexes...

Generate Change Script...

Properties Alt+Enter

Properties

[Col] YayinEviID

(General)

(Name) YayinEviID

Allow Nulls No

Data Type int

Default Value or Bir

Database Designer

Collation < database default>

Computed Column

Condensed Data Ty int

Description

Deterministic Yes

DTS-published No

Full-text Specificati No

Has Non-SQL Serve No

Identity Specificati No

Indexable Yes

Is Columnset No

Is Sparse No

Merge-published No

Not For Replicatio No

Replicated No

RowGuid No

Size 4

YayinEviID sütunundaki değerlerin otomatik artış özelliğine sahip olması için ilgili sütunun üzerine gelip sağ tıklayarak **Properties** seçeneğini seçiyoruz.

Microsoft SQL Server Enterprise Edition

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

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DESKTOP-7VLULDE.lesson2 - Diagram_0*

DESKTOP-7VLULDE.le...2 - dbo.kitapTable

SQLQuery1.sql - (L...E)Patnos MYO (66)*

Properties

[Col] YayinEviID

(General)

(Name) YayinEviID

Allow Nulls No

Data Type int

Default Value or Bir

Database Designer

Collation < database default >

Computed Column

Condensed Data Ty int

Description

Deterministic Yes

DTS-published No

Full-text Specificati No

Has Non-SQL Serve No

Identity Specificati Yes

(Is Identity) Yes

Identity Increme 1

Identity Seed 200

Is Columnset No

Is Sparse No

Merge-published No

Not For Replicatio No

Replicated No

RowGuid No

Size 4

Identity Seed

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayinEviIletisim	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviIban	char(26)	<input type="checkbox"/>

Identity Seed

Identity Seed

Identity Seed: Başlangıç değerini 200 olarak belirliyoruz.

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

Save DESKTOP-7VLULDE.lesson2 - Diagram_0 (Ctrl+S)

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V

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SQL Server Agent (Agent XPs disabl

XEvent Profiler

kitapTable

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

YayinEviTable *

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayinEviIletisim	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviIban	char(26)	<input type="checkbox"/>

Properties

[Col] YayinEviID

(General)

(Name) YayinEviID

Allow Nulls No

Data Type int

Default Value or Bir

Database Designer

Collation < database default >

Computed Column

Condensed Data Ty int

Description

Deterministic Yes

DTS-published No

Full-text Specificati No

Has Non-SQL Serve No

Identity Specificatio Yes

(Is Identity) Yes

Identity Increme 1

Identity Seed 200

Indexable Yes

Is Columnset No

Is Sparse No

Merge-published No

Not For Replicatio No

Replicated No

RowGuid No

Size 4

Identity Seed

Daha sonra diyagramı kaydediyoruz.

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V

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DESKTOP-7VLULDE.lesson2 - Diagram_0* DESKTOP-7VLULDE.le...2 - dbo.kitapTable SQLQuery1.sql - (I...E\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmon	

Save

The following tables will be saved to your database. Do you want to continue?

YayinEviTable

Warn about Tables Affected

Yes No Save Text File

Properties

[Dgm] Diagram_0

(Identity)

(Name) Diagram_0

Database Designer

Database Name lesson2

Owner dbo

Server Name desktop-7vlulde

(Identity)

Değişiklikleri kaydediyoruz.

Object Explorer

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- XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable

SQLQuery1.sql - (...E:\Patnos MYO (66))*

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayinEviIletisim	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviIban	char(26)	<input type="checkbox"/>

Properties

[Dgm] Diagram_0

- (Identity)
 - (Name) Diagram_0
- Database Designer
 - Database Name lesson2
 - Owner dbo
 - Server Name desktop-7vlulde

(Identity)

Object Explorer

- Connect
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 - dbo.YayinEviTable
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 - Security
 - Server Objects
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 - XEvent Profiler

DESKTOP-7VLULDE.lesson2 - Diagram_0

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (...E\Patnos MYO (66))*

kitapTable

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

YayinEviTable

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayinEviIletisim	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviBan	char(26)	<input type="checkbox"/>

- New Table...
- Design
- Select Top 1000 Rows
- Edit Top 200 Rows
- Script Table as
- View Dependencies
- Memory Optimization Advisor
- Encrypt Columns...
- Full-Text index
- Storage
- Stretch
- Policies
- Facets
- Start PowerShell
- Reports
- Rename
- Delete
- Refresh
- Properties

Properties

[Dgm] Diagram_0

- (Identity)
 - (Name) Diagram_0
- Database Designer
 - Database Name lesson2
 - Owner dbo
 - Server Name desktop-7vlulde

(Identity)

DESKTOP-7VLULDE.lesson2 - dbo.YayinEviTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7VLULDE)

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firma

kitap

lesson1

lesson2

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personel

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SQL Server Agent (Agent XPs disabled)

XEvent Profiler

DESKTOP-7VLULDE.Ie...dbo.YayinEviTable

YayinEviID	YayinEviAdi	YayinEviIletisim	YayinEviAdres	YayinEviIban
200	İş Bankası	02242242424	Atatürk Mah.	TR123456789123456789123456
201	Sis Yayıncılık	02162162626	İstiklal Cad.	TR987654321987654321987654
202	Yapı Kredi	03123121212	Kızılay Mah.	TR789123456789123456789123
NULL	NULL	NULL	NULL	NULL

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (L...E\Patnos MYO (66))*

Properties

[Qry] Query1.dtt

(Identity)

(Name) Query1.dtt

Database Name lesson2

Server Name desktop-7vlulde

Query Designer

Destination Table

Distinct Values No

GROUP BY Extensic <None>

Output All Column No

Query Parameter Li No parameters have be

SQL Comment ***** Script for SelectTo

Top Specification Yes

(Identity)

of 4

Belirlediğimiz kısıtlamalara uygun olacak şekilde veri girişi yapıyoruz.

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

Connect

. (SQL Server 15.0.2080.9 - DESKTOP-7V)

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DESKTOP-7VLULDE.Ie...-dbo.YayinEviTable

DESKTOP-7VLULDE.lesson2 - Diagram_0*

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (...E:\Patnos MYO (66))*

Properties

[Tbl] dbo.YayinEviTable

(Identity)

(Name)	YayinEviTable
Database Name	lesson2
Description	
Schema	dbo
Server Name	desktop-7vlulde

Database Designer

Identity Column	YayinEviID
Indexable	Yes
Lock Escalation	Table
Regular Data Space	PRIMARY
Replicated	No
Row GUID Column	
Text/Image Filegroup	PRIMARY

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayinEviTarih	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviBan	char(26)	<input type="checkbox"/>

Veri tutarlılığını sağlamak için şimdi Foreign Key kullanacağız. **YayinEviTable** tablosunda olmayan bir yayın evini **kitapTable** tablosunda kullanamayacağız.

(Identity)

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

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Connect

(SQL Server 15.0.2080.9 - DESKTOP-7V)

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DESKTOP-7VLULDE.Ie...-dbo.YayinEviTable

DESKTOP-7VLULDE.lesson2 - Diagram_0*

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (...E\Patnos MYO (66))*

Properties

[Col] YayinEviID

(General)

(Name) YayinEviID

Allow Nulls No

Data Type int

Default Value or Bias

Database Designer

Collation < database default >

Computed Column

Condensed Data Type int

Description

Deterministic Yes

DTS-published No

Full-text Specification No

Has Non-SQL Server No

Identity Specification Yes

Indexable Yes

Is Columnset No

Is Sparse No

Merge-published No

Not For Replication No

Replicated No

RowGuid No

Size 4

(General)

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayinEviIletisim	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviIban	char(26)	<input type="checkbox"/>

Sürükle bırak yöntemini kullanarak **YayinEviID** sütunundaki birincil anahtara Mouse ile sol tıklayarak KitapTable tablosundaki **YayinEviID** sütununun üzerine bırakıyoruz.

Object Explorer

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 - XEvent Profiler

DESKTOP-7VLULDE.Ie...-dbo.YayinEviTable

DESKTOP-7VLULDE.lesson2 - Diagram_0*

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (...E\Patnos MYO (66))*

kitapTable *

Column Name	Data Type	Allow Nulls
YayinEviID	int	
YayinEviBan	char(26)	

Tables and Columns

Relationship name: FK_kitapTable_YayinEviTable

Primary key table: YayinEviTable

Foreign key table: kitapTable

Primary Key	Foreign Key
YayinEviID	YayinEviID

OK Cancel

Properties

[Col] YayinEviID

(General)

(Name)	YayinEviID
Allow Nulls	No
Data Type	int
Default Value or Bi...	
Collation	<database default>
Computed Colum...	
Condensed Data Ty...	int
Description	
Deterministic	Yes
DTS-published	No
Full-text Specificati...	No
Has Non-SQL Serve...	No
Identity Specificati...	Yes
Indexable	Yes
Is Columnset	No
Is Sparse	No
Merge-published	No
Not For Replicatio...	No
Replicated	No
RowGuid	No
Size	4

(General)

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

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DESKTOP-7VLULDE.Ie...-dbo.YayinEviTable

DESKTOP-7VLULDE.Ie...-Diagram_0*

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (...E:\Patnos MYO (66))*

Properties

[Tbl] dbo.YayinEviTable

(Identity)

(Name)	YayinEviTable
Database Name	lesson2
Description	
Schema	dbo
Server Name	desktop-7vlulde

Database Designer

Identity Column	YayinEviID
Indexable	Yes
Lock Escalation	Table
Regular Data Space	PRIMARY
Replicated	No
Row GUID Column	
Text/Image Filegroup	PRIMARY

kitapTable *

Column Name	Data Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar(50)	<input type="checkbox"/>
Yazar	nvarchar(50)	<input type="checkbox"/>
YayinEviID	int	<input checked="" type="checkbox"/>
Fiyat	smallmoney	<input type="checkbox"/>

YayinEviTable *

Column Name	Data Type	Allow Nulls
YayinEviID	int	<input type="checkbox"/>
YayinEviAdi	nvarchar(50)	<input type="checkbox"/>
YayiEvilletisim	char(11)	<input type="checkbox"/>
YayinEviAdres	nvarchar(100)	<input type="checkbox"/>
YayinEviIban	char(26)	<input type="checkbox"/>

Tablolardaki ilgili alanlar birbiri ile ilişkilendirildi. Daha sonra **Ctrl + S** ile her şeyi kaydediyoruz.

(Identity)

DESKTOP-7VLULDE.lesson2 - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

lesson1 Execute

Object Explorer

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(SQL Server 15.0.2080.9 - DESKTOP-7V

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DESKTOP-7VLULDE.Ie...-dbo.YayinEviTable

DESKTOP-7VLULDE.lesson2 - Diagram_0*

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (...E\Patnos MYO (66))*

Properties

[Tbl] dbo.YayinEviTable

(Identity)

(Name)	YayinEviTable
Database Name	lesson2
Description	
Schema	dbo
Server Name	desktop-7vlulde

Database Designer

Identity Column	YayinEviID
Indexable	Yes
Lock Escalation	Table
Regular Data Space	PRIMARY
Replicated	No
Row GUID Column	
Text/Image Filegro	PRIMARY

Save

The following tables will be saved to your database. Do you want to continue?

YayinEviTable
kitapTable

Warn about Tables Affected

Yes No Save Text File

Column Name	Column Type	Allow Nulls
KitapID	int	<input type="checkbox"/>
KitapAd	nvarchar	<input type="checkbox"/>
Yazar	nvarchar	<input type="checkbox"/>
YayinEviID	int	<input type="checkbox"/>
Fiyat	smallr	<input type="checkbox"/>

Değişiklikleri kaydediyoruz. Kaydetme esnasında daha önce kitapTable tablosundaki **YayinEviID** değerlerine 200,201,202 gibi ID değerleri yerine 1,2,3, ... gibi ID değerleri girdiğimiz için hata alabiliriz.

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

Object Explorer

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. (SQL Server 15.0.2080.9 - DESKTOP-7V

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XEvent Profiler

DESKTOP-7VLULDE.Ie...dbo.YayinEviTable

	KitapID	KitapAd	Yazar	YayinEviID	Fiyat
	1	Sefiller	Victor Hugo	1	18,0000
	2	Suç ve Ceza	Dostoyewski	2	20,0000
	3	Anne Karenina	Tolstoy	3	22,0000
	4	Savaş ve Barış	Tolstoy	3	17,0000
*	NULL	NULL	NULL	NULL	NULL

DESKTOP-7VLULDE.lesson2 - Diagram_0*

DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

SQLQuery1.sql - (...E\Patnos MYO (66))*

Properties

[Qry] Query1.dttq

(Identity)

(Name) Query1.dttq

Database Name lesson2

Server Name desktop-7vlulde

Query Designer

Destination Table

Distinct Values No

GROUP BY Extensic <None>

Output All Column No

Query Parameter Li No parameters have be

SQL Comment ***** Script for SelectTo

Top Specification Yes

(Identity)

4 of 4

Item(s) Saved

17°C Kismen güneşli 7.11.2021 13:53

Veri girişi yaptığımızda açık olan pencereleri kapatıp, tekrar açıyoruz.

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

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DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

	KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	1	Sefiller	Victor Hugo	200	18,0000
2	2	Suç ve Ceza	Dostoyewski	201	20,0000
3	3	Anne Karenina	Tolstoy	202	22,0000
4	4	Savaş ve Barış	Tolstoy	202	17,0000
*	NULL	NULL	NULL	NULL	NULL

DESKTOP-7VLULDE.lesson2 - Diagram_0*

Properties

[Qry] Query1.dttq

(Identity)

(Name) Query1.dttq

Database Name lesson2

Server Name desktop-7vlulde

Query Designer

Destination Table

Distinct Values No

GROUP BY Extensic <None>

Output All Column No

Query Parameter Li No parameters have be

SQL Comment ***** Script for SelectTo

Top Specification Yes

(Identity)

of 4

Cell is Modified.

Kaydetme sırasında hata aldığımız için kitapTable tablosundaki **YayinEviID** sütunundaki değerleri uygun ID değerleri ile güncellememiz gerekmektedir.

DESKTOP-7VLULDE.lesson2 - dbo.kitapTable - Microsoft SQL Server Management Studio

File Edit View Project Query Designer Tools Window Help

lesson1 Execute

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XEvent Profiler

KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Sefiller	Victor Hugo	200	18,0000
2	Suç ve Ceza	Dostoyewski	201	20,0000
3	Anne Karenina	Tolstoy	202	22,0000
4	Savaş ve Barış	Tolstoy	202	17,0000
NULL	Dijital Oyun Tasarla	Yunus Emre Özenoğlu	205	30
NULL	NULL	NULL	NULL	NULL

Properties

[Qry] Query1.dttq

(Identity)

(Name) Query1.dttq

Database Name lesson2

Server Name desktop-7vlulde

Query Designer

Destination Table

Distinct Values No

GROUP BY Extensic <None>

Output All Column No

Query Parameter Li No parameters have be

SQL Comment ***** Script for SelectTo

Top Specification Yes

Microsoft SQL Server Management Studio

No row was updated.

The data in row 5 was not committed.
Error Source: .Net SqlClient Data Provider.
Error Message: The INSERT statement conflicted with the FOREIGN KEY constraint "FK_kitapTable_YayinEviTable". The conflict occurred in database "lesson2", table "dbo.YayinEviTable", column "YayinEviID".
The statement has been terminated.

Correct the errors and retry or press ESC to cancel the change(s).

Tamam Yardım

YayinEviID tablosunda olmayan (205 numaralı) ID değerini girdiğinizde hata mesajı ile karşılaşacaksınız. Bunun içinde ilgili tablodaki ID değerlerini girmemiz gerekmektedir.

Ready

14:01 7.11.2021

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DESKTOP-7VLULDE.Ie...2 - dbo.kitapTable

KitapID	KitapAd	Yazar	YayinEviID	Fiyat
1	Sefiller	Victor Hugo	200	18,0000
2	Suç ve Ceza	Dostoyewski	201	20,0000
3	Anne Karenina	Tolstoy	202	22,0000
4	Savaş ve Barış	Tolstoy	202	17,0000
8	Dijital Oyun Tasarla	Yunus Emre Özenoğlu	202	30,0000
NULL	NULL	NULL	NULL	NULL

6 of 6

Properties

[Qry] Query1.dttq

(Identity)

(Name)	Query1.dttq
Database Name	lesson2
Server Name	desktop-7vlulde

Query Designer

Destination Table	
Distinct Values	No
GROUP BY Extension	<None>
Output All Columns	No
Query Parameter List	No parameters have been defined
SQL Comment	***** Script for Select To
Top Specification	Yes

(Identity)