

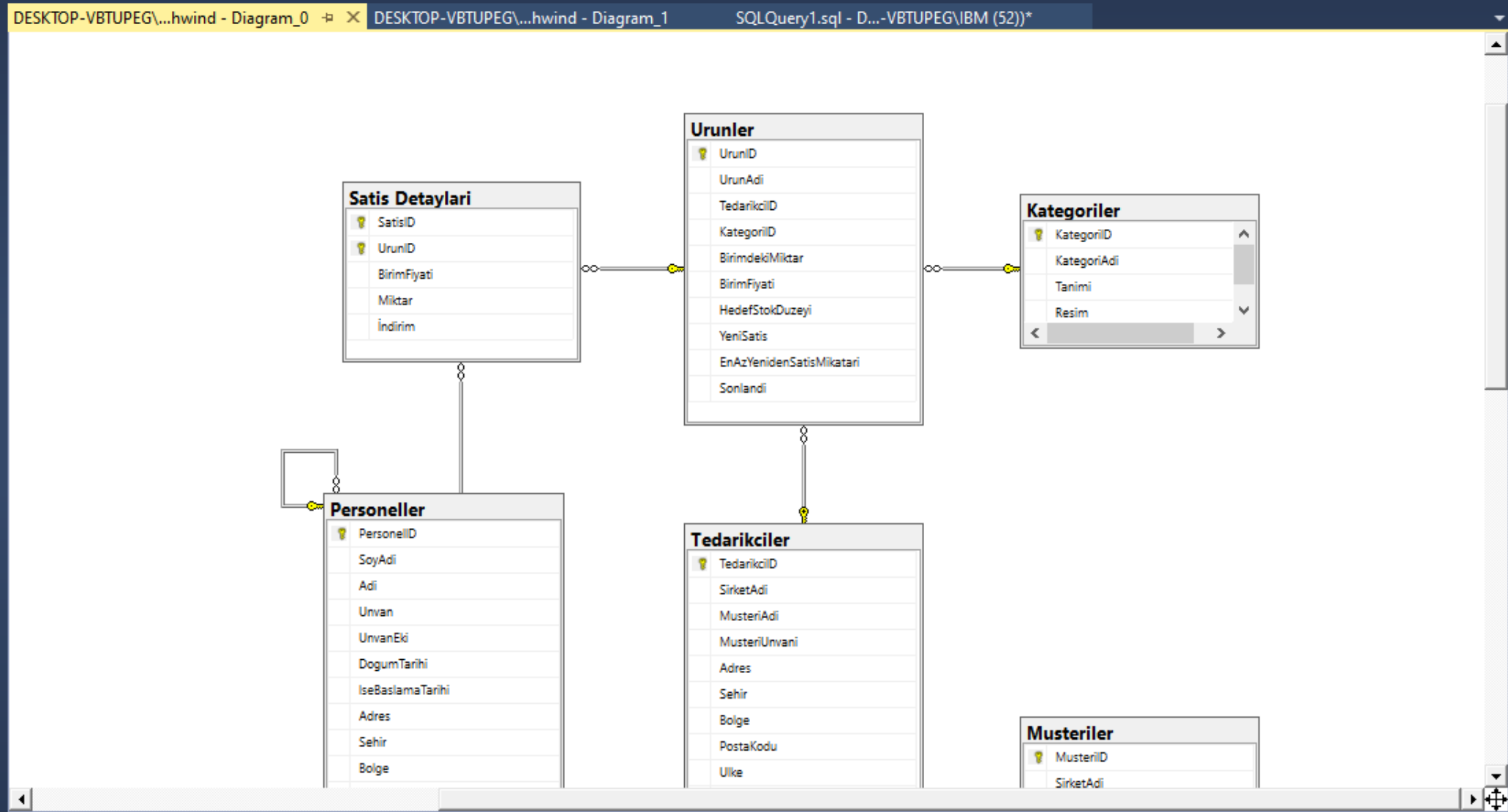
T-SQL

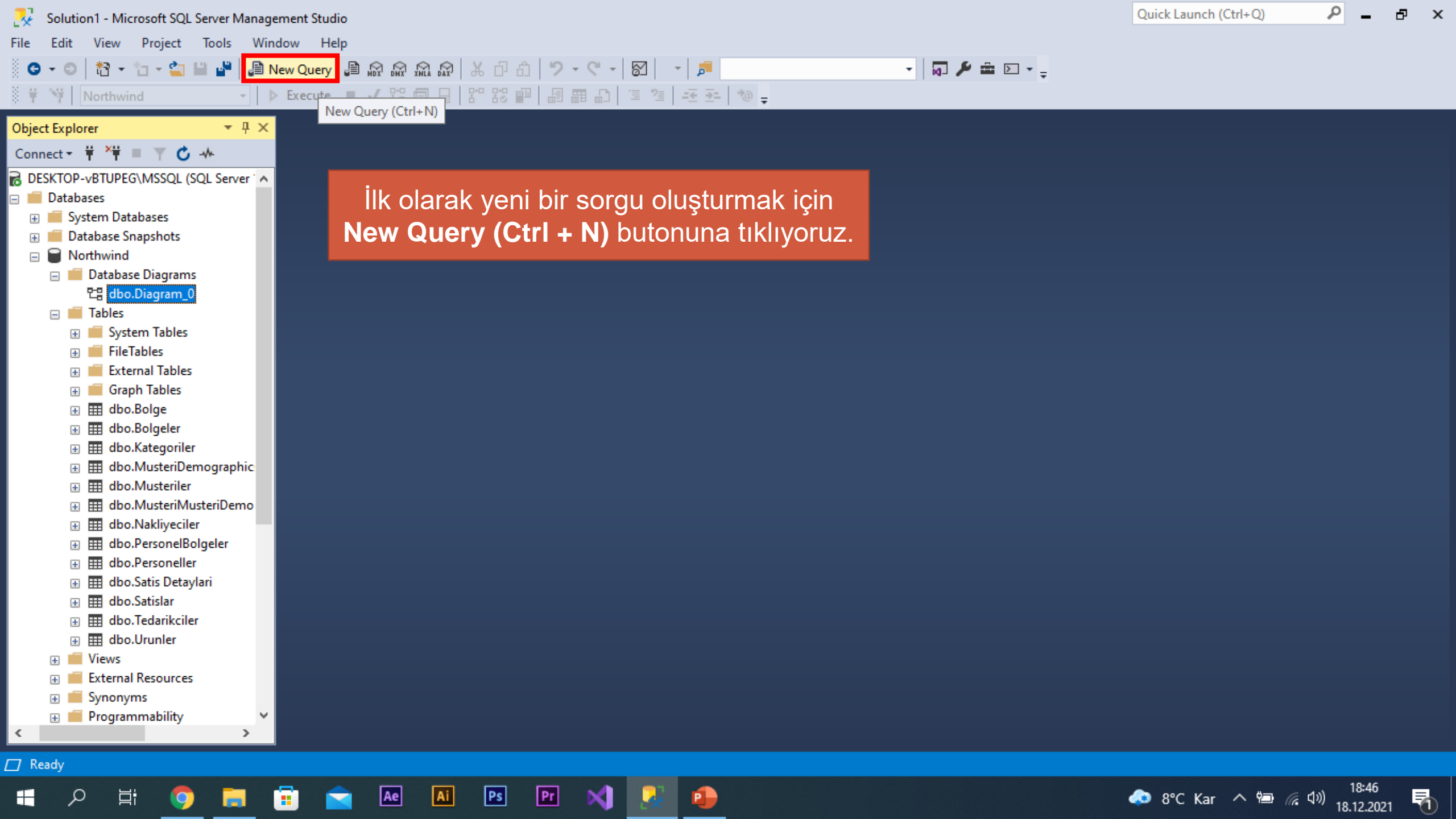
Genel Tekrar

(Northwind Veri Tabanı)

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İlk olarak yeni bir sorgu oluşturmak için New Query (Ctrl + N) butonuna tıklıyoruz.

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```
--Brazil'de bulunan müşterilerin Şirket Adı,  
--Şirket Adı, Adres, Şehir, Ülke bilgilerini gösterme  
SELECT MusteriAdi, SirketAdi, Adres, Sehir, Ulke FROM Musteriler  
where Ulke='Brazil'
```

	MusteriAdi	SirketAdi	Adres	Sehir	Ulke
1	Pedro Afonso	Comércio Mineiro	Av. dos Lusíadas, 23	Sao Paulo	Brazil
2	Ana Cruz	Familia Arquibaldo	Rua Orós, 92	Sao Paulo	Brazil
3	André Fonseca	Gourmet Lanchonetes	Av. Brasil, 442	Campinas	Brazil
4	Mario Pontes	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	Brazil
5	Bernardo Batista	Que Delícia	Rua da Panificadora, 12	Rio de Janeiro	Brazil
6	Lúcia Carvalho	Queen Cozinha	Alameda dos Canários, 891	Sao Paulo	Brazil
7	Janete Limeira	Ricardo Adocicados	Av. Copacabana, 267	Rio de Janeiro	Brazil
8	Anabela Domingues	Tradição Hipercardos	Av. Inês de Castro, 414	Sao Paulo	Brazil
9	Paula Parente	Wellington Importadora	Rua do Mercado, 12	Resende	Brazil

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```
--Brazil dışındaki müşterilerin Şirket Adı,  
--Şirket Adı, Adres, Şehir, Ülke bilgilerini gösterme  
SELECT MusteriAdi, SirketAdi, Adres, Sehir, Ulke FROM Musteriler  
where Ulke != 'Brazil'
```

	MusteriAdi	SirketAdi	Adres	Sehir	Ulke
1	Maria Anders	Alfreds Futterkiste	Obere Str. 57	Berlin	Germany
2	Ana Trujillo	Ana Trujillo Emparedados y helados	Avda. de la Constitución 2222	México D.F.	Mexico
3	Antonio Moreno	Antonio Moreno Taquería	Mataderos 2312	México D.F.	Mexico
4	Thomas Hardy	Around the Horn	120 Hanover Sq.	London	UK
5	Christina Berglund	Berglunds snabbköp	Berguvsvägen 8	Luleå	Sweden
6	Hanna Moos	Blauer See Delikatessen	Forsterstr. 57	Mannheim	Germany
7	Frédérique Citeaux	Blondesdél pére et fils	24, place Kléber	Strasbourg	France
8	Martín Sommer	Bólido Comidas preparadas	C/ Araquil, 67	Madrid	Spain
9	Laurence Leblan	Bon app'	12, rue des Bouchers	Marseille	France
10	Elizabeth Lincoln	Bottom-Dollar Markets	23 Tsawassen Blvd.	Tsawassen	Canada
11	Victoria Ashworth	B's Beverages	Fauntleroy Circus	London	UK
12	Patricio Simpson	Cactus Comidas para llevar	Centro 333	Buenos Aires	Argentina
13	Francisco Chang	Centro comercial Moctezuma	Sierras de Granada 9993	México D.F.	Mexico
14	Yang Wang	Chop-suey Chinese	Hauptstr. 29	Bern	Switzerland
15	Elizabeth Brown	Consolidated Holdings	Berkeley Gardens 12 Brewery	London	UK
16	Sven Ottlieb	Drachenblut Delikatessen	Walserweg 21	Aachen	Germany
17	Janine Labrun	Du monde entier	67, rue des Cinquante Otages	Nantes	France
18	Ann Devon	Eastern Connection	35 King George	London	UK
19	Roland Mohead	East-Handed	King's Row 36	London	UK
20	Yoshi Tsuchi	Ichibanma	821, Ave. des	Osaka	Japan

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-- Amerika ya da Fransa'da bulunan müşterilerin tüm bilgilerini gösterme

```
SELECT * FROM Musteriler where Ulke = 'USA' or Ulke = 'France'
```

	MusteriID	SirketAdi	MusteriAdi	MusteriUnvani	Adres	Sehir	Bolge	PostaKodu	Ulke	Telefon	Faks
1	BLONP	Blondesdds père et fils	Frédérique Citeaux	Marketing Manager	24, place Kléber	Strasbourg	NULL	67000	France	88.60.15.31	88.60.15.32
2	BONAP	Bon app'	Laurence Lebihan	Owner	12, rue des Bouchers	Marseille	NULL	13008	France	91.24.45.40	91.24.45.41
3	DUMON	Du monde entier	Janine Labruno	Owner	67, rue des Cinquante Otages	Nantes	NULL	44000	France	40.67.88.88	40.67.89.89
4	FOLIG	Folies gourmandes	Martine Rancé	Assistant Sales Agent	184, chaussée de Tournai	Lille	NULL	59000	France	20.16.10.16	20.16.10.17
5	FRANR	France restauration	Carine Schmitt	Marketing Manager	54, rue Royale	Nantes	NULL	44000	France	40.32.21.21	40.32.21.20
6	GREAL	Great Lakes Food Market	Howard Snyder	Marketing Manager	2732 Baker Blvd.	Eugene	OR	97403	USA	(503) 555-7555	NULL
7	HUNGC	Hungry Coyote Import Store	Yoshi Latimer	Sales Representative	Sehir Center Plaza 516 Main St.	Elgin	OR	97827	USA	(503) 555-6874	(503) 555-2376
8	LACOR	La come d'abondance	Daniel Tonini	Sales Representative	67, avenue de l'Europe	Versailles	NULL	78000	France	30.59.84.10	30.59.85.11
9	LAMAI	La maison d'Asie	Annette Roulet	Sales Manager	1 rue Alsace-Lorraine	Toulouse	NULL	31000	France	61.77.61.10	61.77.61.11
10	LAZYK	Lazy K Kountry Store	John Steel	Marketing Manager	12 Orchestra Terrace	Walla Walla	WA	99362	USA	(509) 555-7969	(509) 555-6221
11	LETSS	Let's Stop N Shop	Jaime Yones	Owner	87 Polk St. Suite 5	San Francisco	CA	94117	USA	(415) 555-5938	NULL
12	LONEP	Lonesome Pine Restaurant	Fran Wilson	Sales Manager	89 Chiaroscuro Rd.	Portland	OR	97219	USA	(503) 555-9573	(503) 555-9646
13	OLDWO	Old World Delicatessen	Rene Phillips	Sales Representative	2743 Bering St.	Anchorage	AK	99508	USA	(907) 555-7584	(907) 555-2880
14	PARIS	Paris spécialités	Marie Bertrand	Owner	265, boulevard Charonne	Paris	NULL	75012	France	(1) 42.34.22.66	(1) 42.34.22.77
15	RATTC	Rattlesnake Canyon Grocery	Paula Wilson	Assistant Sales Representative	2817 Milton Dr.	Albuquerque	NM	87110	USA	(505) 555-5939	(505) 555-3620
16	SAVEA	Save-a-lot Markets	Jose Pavarotti	Sales Representative	187 Suffolk Ln.	Boise	ID	83720	USA	(208) 555-8097	NULL
17	SPECD	Spécialités du monde	Dominique Perier	Marketing Manager	25, rue Lauriston	Paris	NULL	75016	France	(1) 47.55.60.10	(1) 47.55.60.20
18	SPLIR	Split Rail Beer & Ale	Art Braunschweiger	Sales Manager	P.O. Box 555	Lander	WY	82520	USA	(307) 555-4680	(307) 555-6525
19	THUPL	The Wine Cellar	Lieke Schmitt	Marketing Manager	80 Jefferson Way, Suite 2	Redwood	OR	97201	USA	(503) 555-2612	NULL

Query executed successfully.

(local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | Northwind | 00:00:00 | 24 rows

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```
-- C ile başlayan ürünleri isimleri ve fiyatlarını gösterme  
Select UrunAdi, BirimFiyati from Urunler where UrunAdi like 'C%'
```

Results Messages

	UrunAdi	BirimFiyati
1	Chai	18,00
2	Chang	19,00
3	Chef Anton's Cajun Seasoning	22,00
4	Chef Anton's Gumbo Mix	21,35
5	Camaron Tigers	62,50
6	Côte de Blaye	263,50
7	Chartreuse verte	18,00
8	Chocolade	12,75
9	Camembert Pierrot	34,00

Query executed successfully.

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```
--İsim alanında 'RESTAURANT' geçen müşterilerin şirket adlarını gösterme  
SELECT SirketAdi FROM Musteriler WHERE SirketAdi LIKE '%RESTAURANT%'
```

Results

	SirketAdi
1	GROSELLA-Restaurante
2	Lonesome Pine Restaurant
3	Tortuga Restaurante

Query executed successfully.

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```
-- 50$ ile 100$ arasında bulunan tüm ürünlerin adları ve fiyatlarını gösterme  
SELECT UrunAdi,BirimFiyati FROM Urunler WHERE BirimFiyati BETWEEN 50 AND 100
```

Results Messages

	UrunAdi	BirimFiyati
1	Mishi Kobe Niku	97,00
2	Camaron Tigris	62,50
3	Sir Rodney's Marmalade	81,00
4	Manjimup Dried Apples	53,00
5	Raclette Courdavault	55,00

Query executed successfully.

Object Explorer

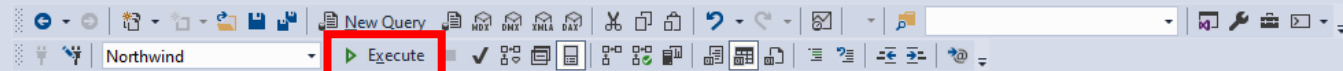
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```
-- 1 Temmuz 1996 ile 31 Aralık 1996 tarihleri arasındaki  
-- Satışların satış id ve satış tarihlerini gösterme  
SELECT SatisID,SatisTarihi FROM Satislar  
WHERE SatisTarihi BETWEEN '1996-07-01' AND '1996-12-31'
```

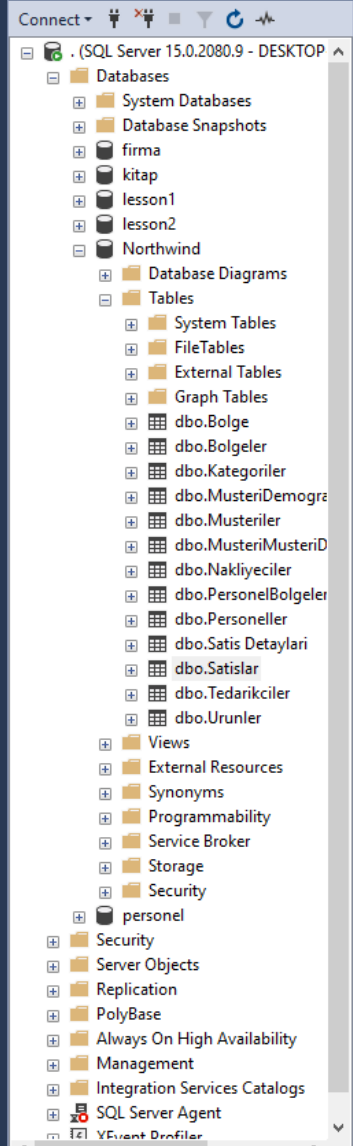
Results Messages

	SatisID	SatisTarihi
1	10248	1996-07-04 00:00:00.000
2	10249	1996-07-05 00:00:00.000
3	10250	1996-07-08 00:00:00.000
4	10251	1996-07-08 00:00:00.000
5	10252	1996-07-09 00:00:00.000
6	10253	1996-07-10 00:00:00.000
7	10254	1996-07-11 00:00:00.000
8	10255	1996-07-12 00:00:00.000
9	10256	1996-07-15 00:00:00.000
10	10257	1996-07-16 00:00:00.000
11	10258	1996-07-17 00:00:00.000
12	10259	1996-07-18 00:00:00.000
13	10260	1996-07-19 00:00:00.000
14	10261	1996-07-19 00:00:00.000
15	10262	1996-07-22 00:00:00.000
16	10263	1996-07-23 00:00:00.000
17	10264	1996-07-24 00:00:00.000
18	10265	1996-07-25 00:00:00.000
19	10266	1996-07-26 00:00:00.000

Query executed successfully.



Object Explorer



DESKTOP-7VLULDE.N...ind - dbo.Satislar SQLQuery1.sql - (I...E\Patnos MYO (63))

-- Sevk ülkesi Spain ya da France ya da Germany olan müşterileri gösterme

```
SELECT SatisID,SevkUlkesi FROM Satislar  
WHERE SevkUlkesi='Spain' OR SevkUlkesi='France' OR SevkUlkesi='Germany' --v1
```

```
SELECT SatisID,SevkUlkesi FROM Satislar  
WHERE SevkUlkesi in('Spain','France','Germany') --v2
```

214 %

	SatisID	Sevk Ulkesi
1	10248	France
2	10249	Germany
3	10251	France
4	10260	Germany
5	10265	France
6	10267	Germany
7	10273	Germany
8	10274	France
9	10277	Germany
10	10279	Germany
11	10281	Spain
12	10282	Spain
13	10284	Germany
14	10285	Germany
15	10286	Germany
16	10295	France
17	10297	France
18	10301	Germany
19	10302	Germany

Query executed successfully. (local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | Northwind | 00:00:00 | 222 rows

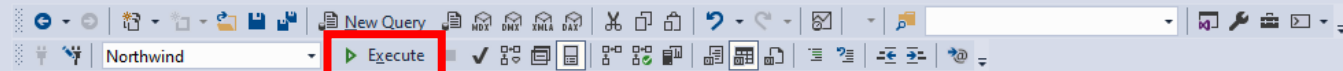
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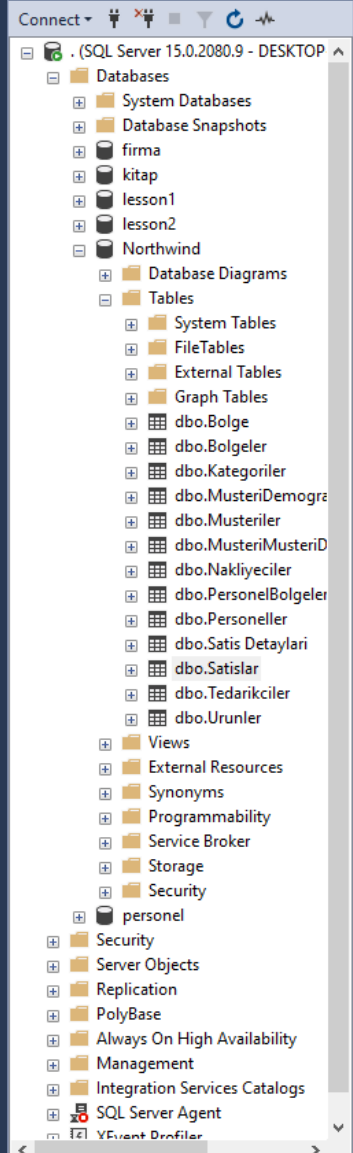
```
-- Sevk ülkesi Spain ya da France ya da Germany olmayan müşterileri gösterme  
SELECT SatisID,SevkUlkesi FROM Satislar  
WHERE SevkUlkesi not in('Spain','France','Germany')
```

Results

	SatisID	Sevk Ulkesi
1	10250	Brazil
2	10252	Belgium
3	10253	Brazil
4	10254	Switzerland
5	10255	Switzerland
6	10256	Brazil
7	10257	Venezuela
8	10258	Austria
9	10259	Mexico
10	10261	Brazil
11	10262	USA
12	10263	Austria
13	10264	Sweden
14	10266	Finland
15	10268	Venezuela
16	10269	USA
17	10270	Finland
18	10271	USA
19	10272	USA



Object Explorer



DESKTOP-7VLULDE.N...ind - dbo.Satislar SQLQuery1.sql - (I...E\Patnos MYO (63))

```
-- Faks numarası bilinmeyen müşterileri gösterme
```

```
SELECT MusteriID, SirketAdi, Faks FROM Musteriler where Faks is null
```

214 %

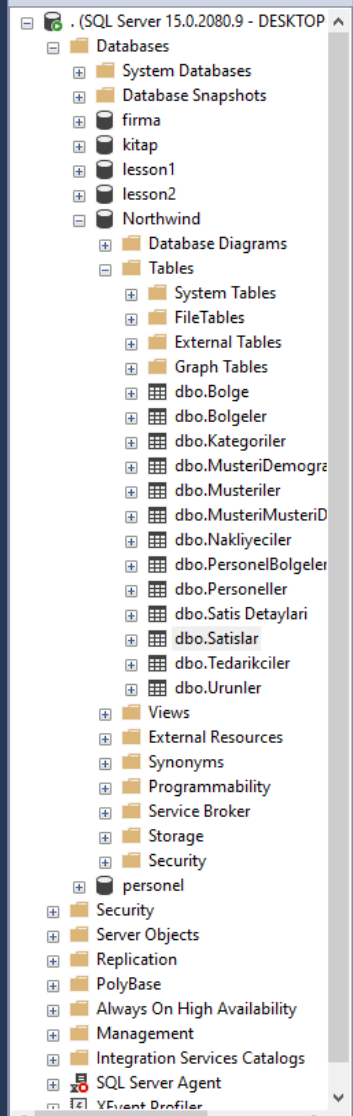
	MusteriID	SirketAdi	Faks
1	ANTON	Antonio Moreno Taquería	NULL
2	BSBEV	B's Beverages	NULL
3	CHOPS	Chop-suey Chinese	NULL
4	COMMI	Comércio Mineiro	NULL
5	FAMIA	Familia Arquibaldo	NULL
6	FOLKO	Folk och få HB	NULL
7	GODOS	Godos Cocina Típica	NULL
8	GOURL	Gourmet Lanchonetes	NULL
9	GREAL	Great Lakes Food Market	NULL
10	ISLAT	Island Trading	NULL
11	KOENE	Königlich Essen	NULL
12	LETSS	Let's Stop N Shop	NULL
13	MORGK	Morgenstem Gesundkost	NULL
14	PRINI	Princesa Isabel Vinhos	NULL
15	QUEEN	Queen Cozinha	NULL
16	QUICK	QUICK-Stop	NULL
17	RICAR	Ricardo Adocicados	NULL
18	RICSU	Richter Supermarkt	NULL
19	SAMFA	Santitas	NULL

Query executed successfully.



Object Explorer

Connect



DESKTOP-7VLULDE.N...ind - dbo.Satislar SQLQuery1.sql - (I...E\Patnos MYO (63))

```
-- Müşterileri ülkeye göre sıralama (a-z)
```

```
SELECT MusteriAdi,Ulke FROM Musteriler ORDER BY Ulke ASC --v1
```

```
SELECT MusteriAdi,Ulke FROM Musteriler ORDER BY Ulke --v2
```

214 %

	MusteriAdi	Ulke
1	Patricio Simpson	Argentina
2	Yvonne Moncada	Argentina
3	Sergio Gutiérrez	Argentina
4	Georg Pippes	Austria
5	Roland Mendel	Austria
6	Catherine Dewey	Belgium
7	Pascale Cartrain	Belgium
8	Anabela Domingues	Brazil
9	Paula Parente	Brazil
10	Bernardo Batista	Brazil
11	Lúcia Carvalho	Brazil
12	Janete Limeira	Brazil
13	Aria Cruz	Brazil
14	André Fonseca	Brazil
15	Mario Pontes	Brazil
16	Pedro Afonso	Brazil
17	Elizabeth Lincoln	Canada
18	Jean Fresnière	Canada
19	Yoshi Tazawa	Canada

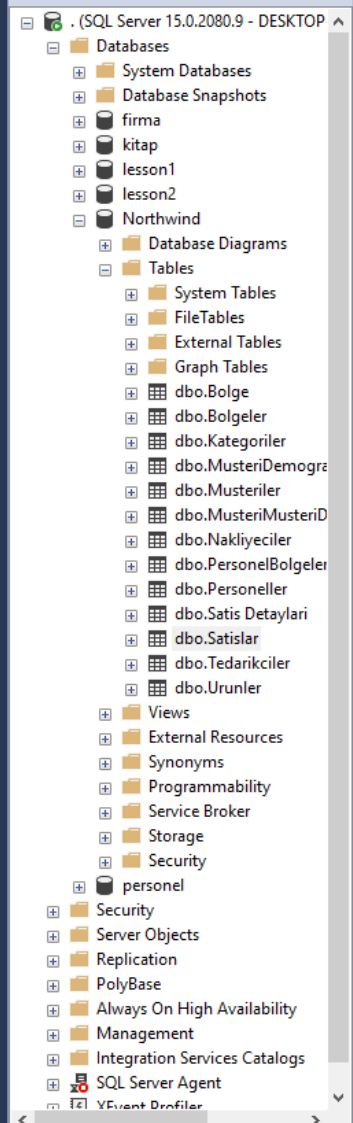
Query executed successfully.

(local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | Northwind | 00:00:00 | 91 rows



Object Explorer

Connect



DESKTOP-7VLULDE.N...ind - dbo.Satislar SQLQuery1.sql - (I...E\Patnos MYO (63))

```
-- Kaç farklı ülkeye ihracat yapıldığını gösterme
```

```
SELECT COUNT(DISTINCT Ulke) FROM Musteriler
```

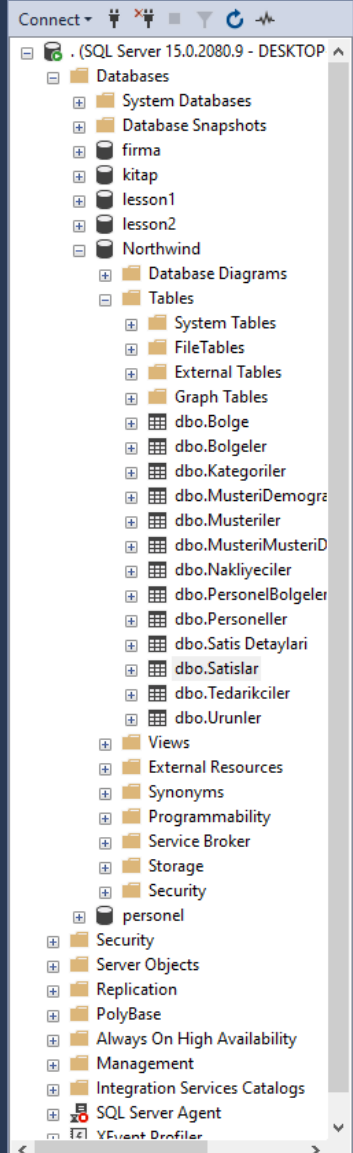
214 %

Results	
(No column name)	
1	21

Query executed successfully. | (local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | Northwind | 00:00:00 | 1 rows



Object Explorer



DESKTOP-7VLULDE.N...ind - dbo.Satislar SQLQuery1.sql - (I...E\Patnos MYO (63))

```
-- En pahalı 5 ürünü gösterme
```

```
SELECT TOP 5 UrunAdi, BirimFiyati FROM Urunler ORDER BY BirimFiyati Desc
```

214 %

	UrunAdi	BirimFiyati
1	Côte de Blaye	263,50
2	Thuringer Rostbratwurst	123,79
3	Mishi Kobe Niku	97,00
4	Sir Rodney's Marmalade	81,00
5	Camaron Tigers	62,50

Query executed successfully.

(local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | Northwind | 00:00:00 | 5 rows

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```
-- Müşteri ID'si ALFKI olan müşterinin sipariş sayısını gösterme  
SELECT COUNT(*) FROM Musteriler WHERE MusteriID='ALFKI'
```

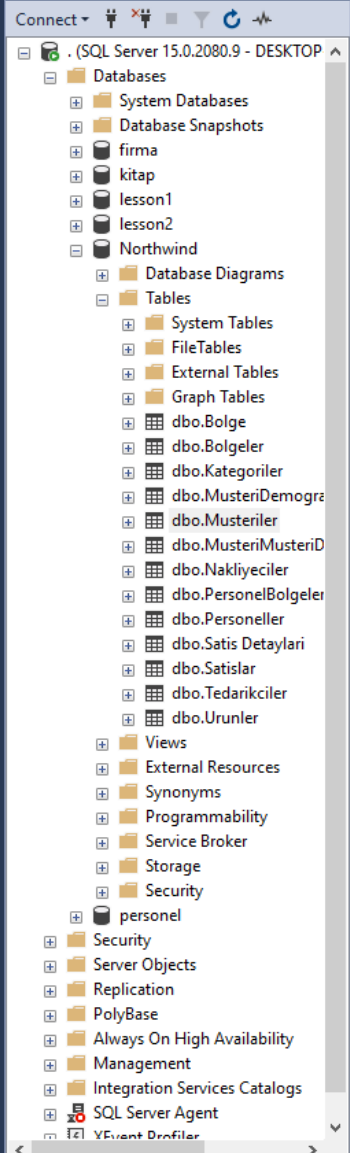
Results Messages

(No column name)
1

Query executed successfully.



Object Explorer



DESKTOP-7VLULDE.N...- dbo.Musteriler DESKTOP-7VLULDE.N...ind - dbo.Satislar SQLQuery1.sql - (I...E\Patnos MYO (63))

```
-- Müşteri ID'si FOLKO olan müşterinin sipariş sayısını  
-- Toplam Sipariş sütun başlığı altında gösterme
```

```
SELECT COUNT(*) as 'Toplam Sipariş' FROM Musteriler WHERE MusteriID='FOLKO'
```

Results	
	Toplam Sipariş
1	1

Query executed successfully. | (local) (15.0 RTM) | DESKTOP-7VLULDE\Patnos... | Northwind | 00:00:00 | 1 rows

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```
-- Ürünlerin toplam fiyatını 'Toplam Fiyat' sütun başlığı  
-- altında gösterme gösterme  
SELECT SUM(BirimFiyati) as 'Toplam Fiyat' FROM Urunler
```

Results Messages

	Toplam Fiyat
1	2222.71

Query executed successfully.

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```
-- Ürünlerin ortalama fiyatını 'Ortalama Fiyat' sütun başlığı  
-- altında gösterme gösterme  
SELECT AVG(BirimFiyati) as 'Ortalama Fiyat' FROM Urunler
```

Results Messages

	Ortalama Fiyat
1	28,8663

Query executed successfully.

Object Explorer

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```
-- Personellerin adı ve soyadını birleştirerek 'Adı ve Soyadı' sütun başlığı  
-- altında gösterme gösterme  
SELECT Adi + ' ' + SoyAdi as 'Adı ve Soyadı' FROM Personeller
```

Results

	Adı ve Soyadı
1	Nancy Davolio
2	Andrew Fuller
3	Janet Leverling
4	Margaret Peacock
5	Steven Buchanan
6	Michael Suyama
7	Robert King
8	Laura Callahan
9	Anne Dodsworth

Query executed successfully.

Object Explorer

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```
--En pahalı ürünün adını gösterme
SELECT UrunAdi FROM Urunler
WHERE BirimFiyati= (SELECT MAX(BirimFiyati) FROM Urunler)
```

Results

	UrunAdi
1	Côte de Blaye

Query executed successfully.

Object Explorer

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```
-- En az kazandıran siparişi gösterme  
SELECT MIN(BirimFiyati * Miktar) FROM [Satis Detaylari]
```

Results Messages

	(No column name)
1	4,80

Query executed successfully.

Object Explorer

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```
-- Müşterilerimin içinde en uzun isimli müşteriye gösterme  
SELECT MAX(LEN(SirketAdi)) FROM Musteriler
```

Results Messages

(No column name)
1 36

Query executed successfully.

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```
-- Şimdiki tarih ve saat  
SELECT GETDATE()  
-- Şimdiki yıl  
SELECT YEAR (GETDATE())  
-- Şimdiki gün  
SELECT DAY (GETDATE())  
-- Şimdiki ay  
SELECT MONTH (GETDATE())
```

Results Messages

(No column name)
1 12

Query executed successfully.

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```
-- Çalışanların Ad, Soyad ve Yaşlarını gösterme  
SELECT Adi,SoyAdi, YEAR(GETDATE())-YEAR(DogumTarihi) as Yas FROM Personeller
```

Results Messages

	Adi	SoyAdi	Yas
1	Nancy	Davolio	73
2	Andrew	Fuller	69
3	Janet	Leverling	58
4	Margaret	Peacock	84
5	Steven	Buchanan	66
6	Michael	Suyama	58
7	Robert	King	61
8	Laura	Callahan	63
9	Anne	Dodsworth	55

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```
-- GROUP BY (Gruplama)
```

```
-- Hangi ürünün toplam kaç adet alındığını gösterme
```

```
SELECT UrunID, SUM(Miktar) FROM [Satis Detaylari] GROUP BY UrunID
```

	UrunID	(No column name)
1	23	580
2	46	548
3	69	714
4	29	746
5	75	1155
6	15	122
7	9	95
8	3	328
9	52	500
10	72	806
11	66	239
12	32	297
13	26	753
14	12	344
15	35	883
16	63	445
17	6	301
18	55	903
19	42	500

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```
--Hangi siparişte toplam ne kadar kazanıldığını gösterme  
SELECT UrunID, SUM(Miktar * BirimFiyati) FROM [Satis Detaylari]  
GROUP BY UrunID
```

Results

	UrunID (No column name)	
1	23	4840,20
2	46	6144,00
3	69	24307,20
4	29	87736,40
5	75	8650,55
6	15	1813,50
7	9	8827,00
8	3	3080,00
9	52	3383,80
10	72	25738,80
11	66	3519,00
12	32	9171,20
13	26	21534,90
14	12	12866,80
15	35	14536,80
16	63	17696,30
17	6	7345,00
18	55	19512,00
19	42	25070,00

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```
-- Hangi kategoride toplam kaç adet ürün bulunduğunu gösterme  
SELECT KategoriID, COUNT(UrunID) FROM Urunler GROUP BY KategoriID
```

Results Messages

	KategoriID	(No column name)
1	1	12
2	2	12
3	3	13
4	4	10
5	5	7
6	6	6
7	7	5
8	8	12

Query executed successfully.

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```
-- HAVING yapısı temelde WHERE ile aynı görevi yapmaktadır.  
-- GROUP BY ile kullanılır. Where ifadesi ile belirtilen kriter  
-- Group By uygulanmadan önce geçerli olurken, Having ifadesi  
-- ile belirtilen kriter ise group by uygulandıktan sonra ortaya  
-- çıkan verileri filtrelemek için kullanılır.  
-- Ayrıca Where ifadesinden sonra sum, avg gibi fonksiyonlar  
-- kullanılamazken, Having ile kullanılabilir.
```

```
SELECT UrunID,SUM(Miktar) As SatisAdeti FROM [Satis Detaylari]  
GROUP BY UrunID HAVING SUM(Miktar)>1000
```

Results	Messages	
UrunID	SatisAdeti	
1	75	1155
2	21	1016
3	24	1125
4	62	1083
5	56	1263
6	59	1496
7	16	1158
8	2	1057
9	71	1057
10	31	1397
11	60	1577
12	40	1103