

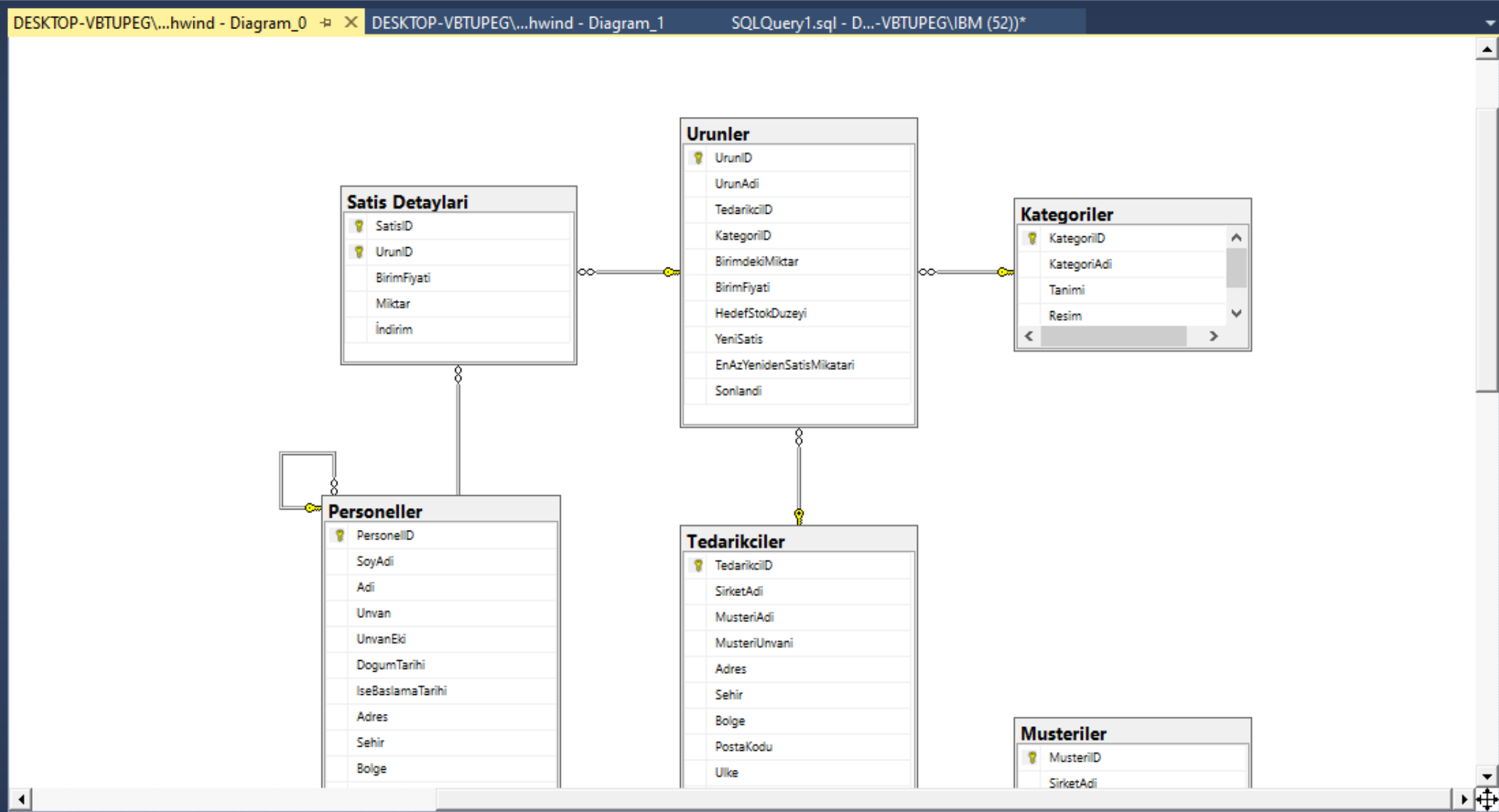
T-SQL

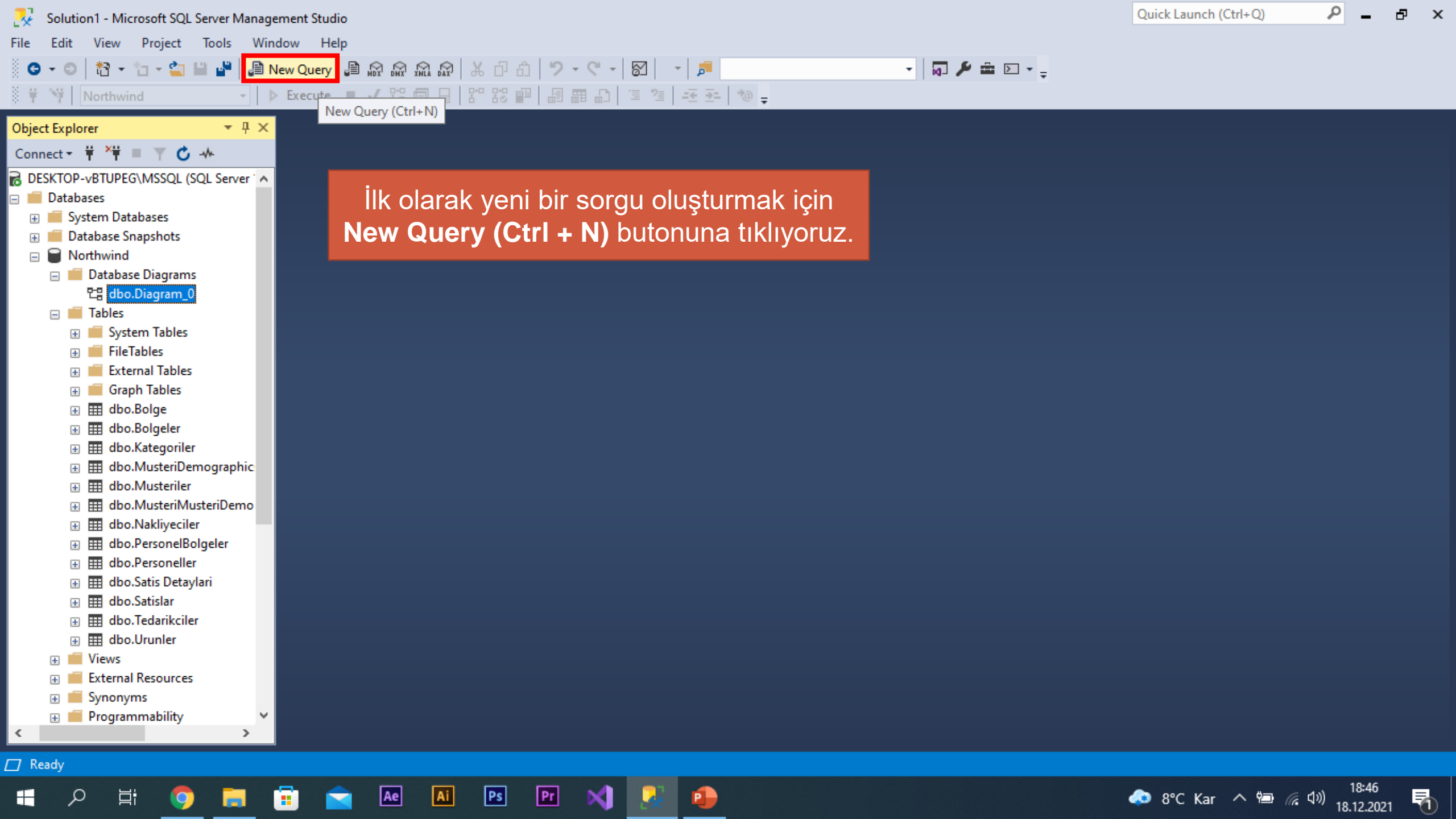
Genel Tekrar

(Northwind Veri Tabanı)

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



Object Explorer

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SQLQuery1.sql - D...-VBTUPEG\IBM (79)*

```
-- Erkek personelleri gösteren sorgu
```

```
SELECT * FROM Personeller WHERE UnvanEki = 'Mr.' -- Uygulama 1
```

```
-- Kadın personelleri gösteren sorgu
```

```
SELECT * FROM Personeller WHERE UnvanEki = 'Ms.' -- Uygulama 2
```

Results

PersonelID	SoyAdi	Adi	Unvan	UnvanEki
5	Buchanan	Steven	Sales Manager	Mr.
6	Suyama	Michael	Sales Representative	Mr.
7	King	Robert	Sales Representative	Mr.

(3 rows affected)

Query executed successfully.

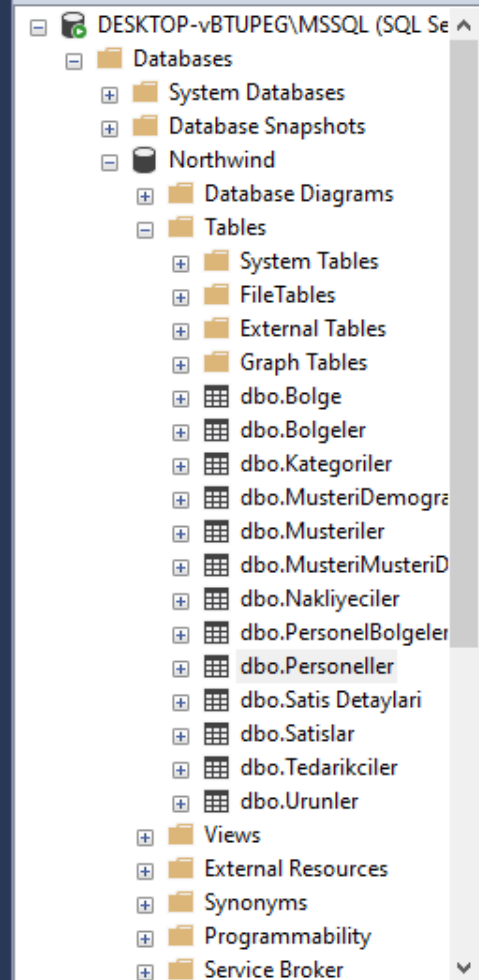
DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 3 rows

File Edit View Query Project Tools Window Help



Object Explorer

Connect



SQLQuery1.sql - D...-VBTUPEG\IBM (79))*

```
-- Kadın personellerin sayısını gösteren sorgu
```

```
SELECT COUNT(*) AS CalisanKadinSayisi FROM Personeller  
WHERE UnvanEki IN ( 'Ms.', 'Mrs.' )
```

161 %

Results

```
CalisanKadinSayisi
```

```
-----  
5
```

```
(1 row affected)
```

```
Completion time: 2022-01-04T22:08:43.8474770+03:00
```

161 %

Query executed successfully.

DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 1 rows

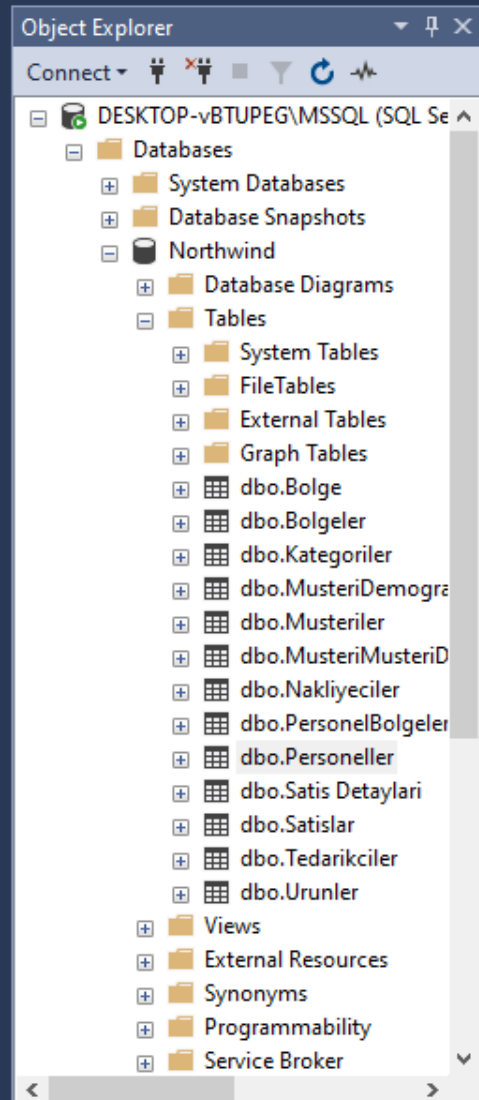
Ready

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DESKTOP-VBTUPEG\...- dbo.Personeller SQLQuery1.sql - D...-VBTUPEG\IBM (79))*

```
-- Ünvan Eki 4 haneli olan personellerin Ad, Soyad ve Ünvanlarını gösteren sorgu
```

```
SELECT Adi, ' ', Soyadi, ÜnvanEki  
FROM Personeller WHERE LEN(ÜnvanEki) = 4
```

Results

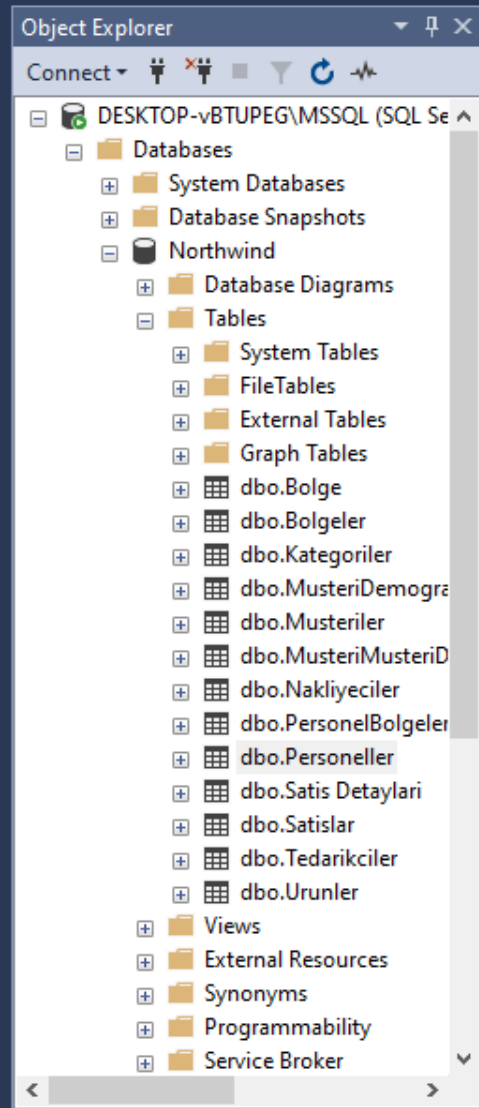
Adi	Soyadi	ÜnvanEki
Margaret	Peacock	Mrs.

(1 row affected)

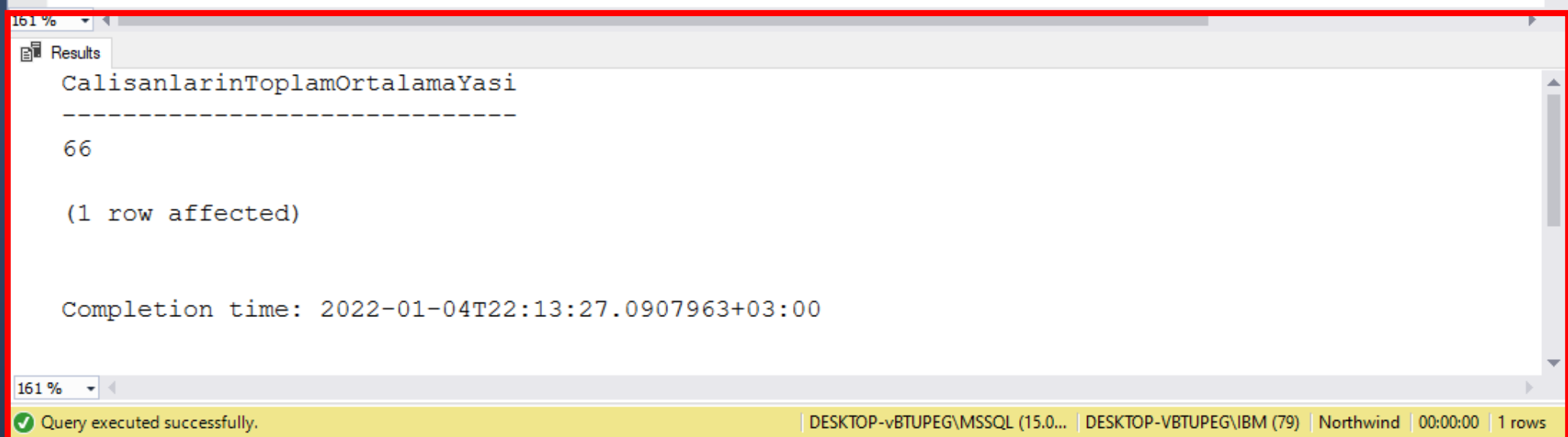
Completion time: 2022-01-04T22:11:52.3099330+03:00

Query executed successfully. | DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 1 rows

File Edit View Query Project Tools Window Help



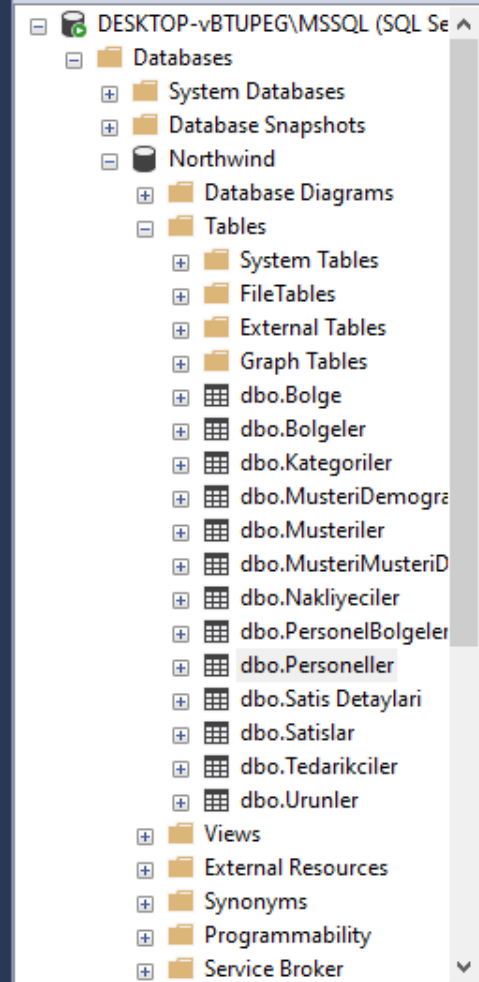
```
-- DATEDIFF fonksiyonu ile SQL'de iki tarih arasındaki farkı bulmak için kullanılır.  
-- Şirkette çalışan personellerin ortalama yaşlarını gösteren sorgu  
  
SELECT AVG(DATEDIFF(YEAR, DogumTarihi, GETDATE())) AS CalisanlariToplamOrtalamaYasi  
FROM Personeller
```





Object Explorer

Connect



SQLQuery1.sql - D...-VBTUPEG\IBM (79))*

```
-- Müşteriler içerisinde ismi en uzun olan müşterinin isminde bulunan toplam  
-- harf sayısını gösteren sorgu
```

```
SELECT MAX(LEN(MusteriAdi)) AS MaksimumUzunluk FROM Musteriler
```

161 %

Results

MaksimumUzunluk

23

(1 row affected)

Completion time: 2022-01-04T22:18:53.4574609+03:00

161 %

Query executed successfully.

DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 1 rows



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DESKTOP-vBTUPEG\MSSQL (SQL Se

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SQLQuery1.sql - D...-VBTUPEG\IBM (79))*

```
-- Ürünler tablosundaki ürünlerin  
-- Ürün adı, fiyatı ve %18 kdv'li satış fiyatını gösteren sorgu  
Select UrunAdi,BirimFiyati, BirimFiyati * 0.18 as KDV from Urunler
```

161 %

Results

UrunAdi	BirimFiyati	KDV
Chai	18,00	3.240000
Chang	19,00	3.420000
Aniseed Syrup	10,00	1.800000
Chef Anton's Cajun Seasoning	22,00	3.960000
Chef Anton's Gumbo Mix	21,35	3.843000
Grandma's Boysenberry Spread	25,00	4.500000
Uncle Bob's Organic Dried Pears	30,00	5.400000
Northwoods Cranberry Sauce	40,00	7.200000

161 %

Query executed successfully.

DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 77 rows



Object Explorer

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DESKTOP-vBTUPEG\MSSQL (SQL Se

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SQLQuery1.sql - D...-VBTUPEG\IBM (79)*

```
-- Fiyatı 20'den az olan ürünlerin adının başına TR ifadesi ekleyen sorgu
```

```
Select 'TR-' + UrunAdi as [Ürün Ad] From Urunler where BirimFiyati < 20
```

161 %

Results

Ürün Ad

TR-Chai

TR-Chang

TR-Aniseed Syrup

TR-Konbu

TR-Genen Shouyu

TR-Pavlova

TR-Teatime Chocolate Biscuits

TR-Sir Rodney's Scones

161 %

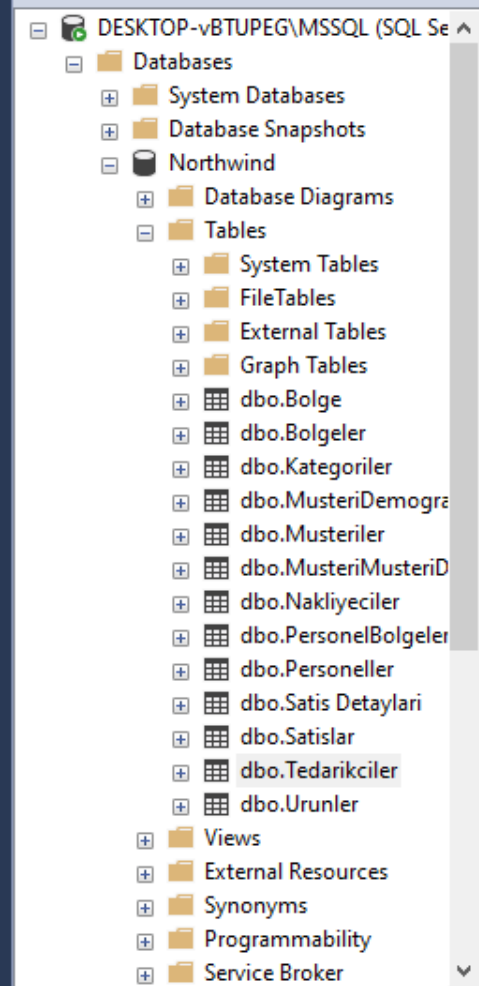
Query executed successfully.

DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 39 rows



Object Explorer

Connect



SQLQuery1.sql - D...-VBTUPEG\IBM (79)*

```
-- Ürünler tablosundaki ürünlerin adlarını büyük harflerle gösteren sorgu
```

```
Select UPPER(UrunAdi) [Ürün Adı] From Urunler -- Uygulama 1
```

```
-- Ürünler tablosundaki ürünlerin adlarını küçük harflerle gösteren sorgu
```

```
Select LOWER(UrunAdi) [Ürün Adı] From Urunler -- Uygulama 2
```

161 %

Results

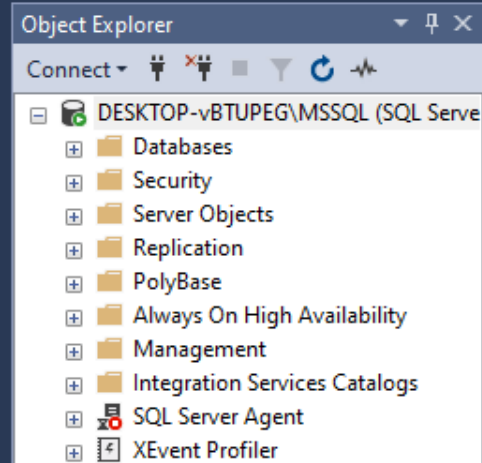
Ürün Adı

```
-----  
ALICE MUTTON  
ANISEED SYRUP  
BOSTON CRAB MEAT  
CAMEMBERT PIERROT  
CARNARVON TIGERS  
CHAI  
CHANG  
CHARTREUSE VEDTE
```

161 %

Query executed successfully.

DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 77 rows



```
-- Ortalamanın altında bir fiyata sahip ürünlerimin adı ve fiyatı  
-- 1) İlk olarak ortalama sonucunu görüntülemek için  
SELECT AVG(BirimFiyati) FROM Urunler  
  
-- 2) Bu sonucu kriter olarak kullanacak sorgu  
SELECT UrunAdi,BirimFiyati FROM Urunler  
WHERE BirimFiyati < (SELECT AVG(BirimFiyati) FROM Urunler)
```

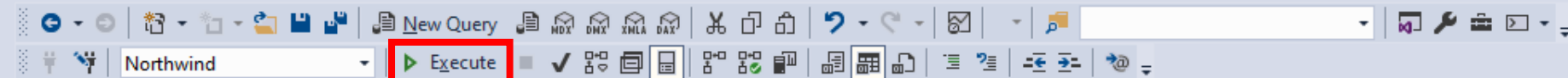
161 %

Results Messages

	UrunAdi	BirimFiyati
1	Chai	18,00
2	Chang	19,00
3	Aniseed Syrup	10,00
4	Chef Anton's Cajun Seasoning	22,00
5	Chef Anton's Gumbo Mix	21,35
6	Grandma's Boysenberry Spread	25,00
7	Queso Cabrales	21,00
8	Konbu	6,00
9	Tofu	23,25
10	Genen Shouyu	15,50
11	Pavlova	17,45

Query executed successfully. | DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 52 rows

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DESKTOP-vBTUPEG\MSSQL (SQL Se

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dbo.Musteriler

dbo.MusteriMusteriD

dbo.Nakliyeciler

dbo.PersonelBolgeler

dbo.Personeller

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Programmability

Service Broker

SQLQuery1.sql - D...-VBTUPEG\IBM (79))*

```
-- Hiç sipariş vermeyen müşterilerin ŞirketAdi, Adres, Şehir ve Ülke  
-- verilerini gösteren sorgu
```

```
SELECT ŞirketAdi,Adres,Şehir,Ülke FROM Musteriler  
WHERE MusteriID NOT IN (SELECT DISTINCT MusteriID FROM Satislar)
```

161 %

Results Messages

	ŞirketAdi	Adres	Şehir	Ülke
1	FISSA Fabrica Inter. Salchichas S.A.	C/ Moralarzal, 86	Madrid	Spain
2	Paris spécialités	265, boulevard Charonne	Paris	France

Query executed successfully.

DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 2 rows

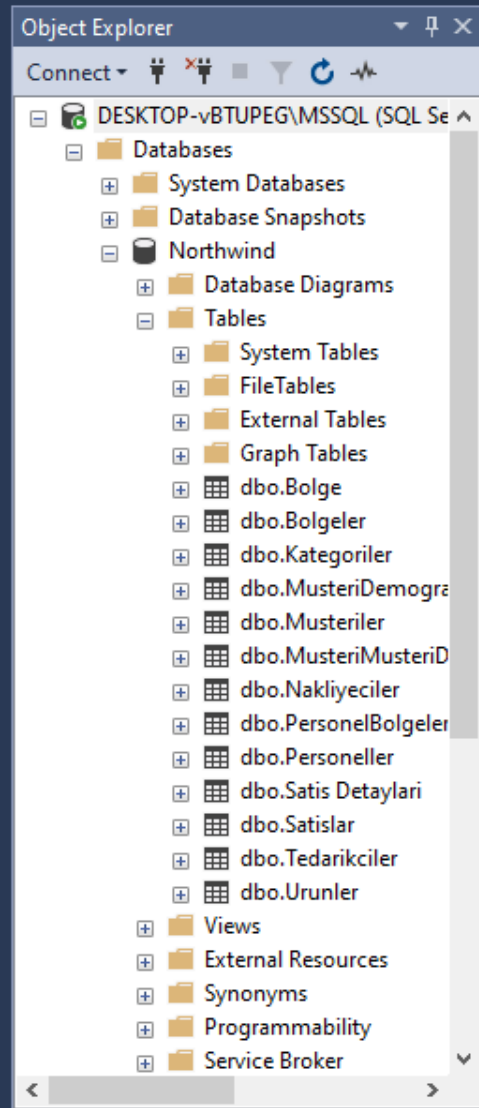
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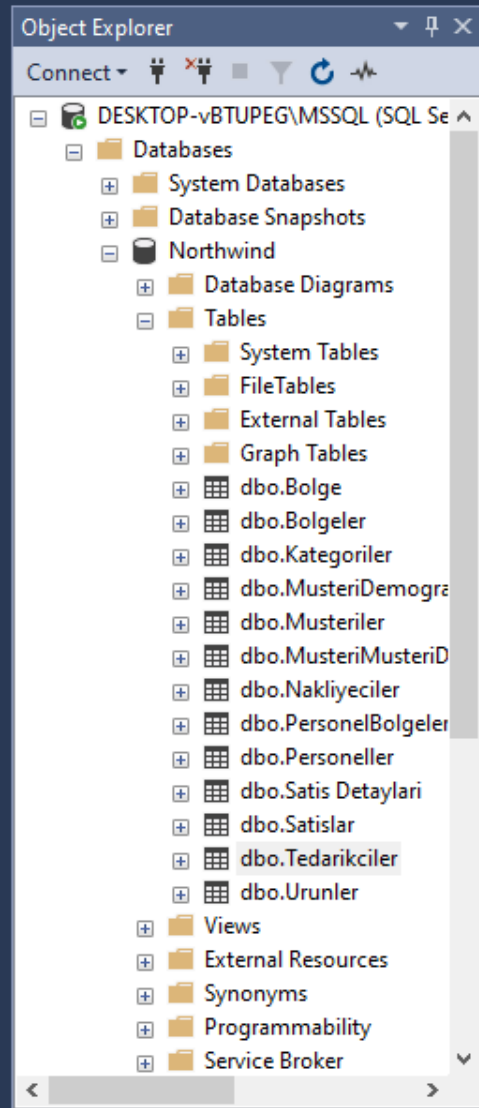
INS



```
-- INNER JOIN: Birbiriyle ilişkili tablolardan  
-- sadece ürünü olan (EŞLEŞEN (PRIMARY KEY ile FOREIGN KEY karşılığı olan))  
-- kayıtlardan resultset oluşturan sorgu tipidir.  
  
-- Örn. Hangi ürünün hangi kategoride olduğunu gösteren sorgu  
  
SELECT Urunler.UrunAdi, Kategoriler.KategoriAdi FROM  
Urunler INNER JOIN Kategoriler ON  
Urunler.KategoriID=Kategoriler.KategoriID
```

	UrunAdi	KategoriAdi
1	Chai	Beverages
2	Chang	Beverages
3	Aniseed Syrup	Condiments
4	Chef Anton's Cajun Seasoning	Condiments
5	Chef Anton's Gumbo Mix	Condiments
6	Grandma's Boysenberry Spread	Condiments
7	Uncle Bob's Organic Dried Pears	Produce
8	Northwoods Cranberry Sauce	Condiments
9	Mishi Kobe Niku	Meat/Poultry
10	Ikura	Seafood
11	Queso Cabrales	Dairy Urunler

File Edit View Query Project Tools Window Help



```
-- Hangi tedarikçi (Tedarikciler.SirketAdi), hangi Ürünü (Urunler.UrunAdi)
-- sağladığını gösteren sorgu (Takma Ad kullanarak)

SELECT sp.SirketAdi, p.UrunAdi
FROM Tedarikciler as sp INNER JOIN Urunler as p
ON sp.TedarikciID = p.TedarikciID
```

Results

SirketAdi	UrunAdi
Exotic Liquids	Chai
Exotic Liquids	Chang
Exotic Liquids	Aniseed Syrup
New Orleans Cajun Delights	Chef Anton's Cajun Seasoning
New Orleans Cajun Delights	Chef Anton's Gumbo Mix
Grandma Kelly's Homestead	Grandma's Boysenberry Spread
Grandma Kelly's Homestead	Uncle Bob's Organic Dried Pears
Grandma Kelly's Homestead	Northwoods Cranberry Sauce

Query executed successfully. | DESKTOP-vBTUPEG\MSSQL (15.0... | DESKTOP-VBTUPEG\IBM (79) | Northwind | 00:00:00 | 77 rows