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Sales Tablosu:

DATE_	ITEMCODE	ITEMNAME	BRAND	CATEGORY1	CATEGORY2	CATEGORY3	CATEGORY4	AMOUNT	PRICE	TOTALPRICE	CUSTOMERCODE	CUSTOMER
1 31 2019-08-02 10:55:50.000	8658	GEZER 9768.00 AIR BLOW ZENNE*12"	GEZER	EV	TEKSTİL-GİYİM-AKSESUAR	AYAKKABI-TERLİK	AYAK GİYİM	1	17.99	17.99	2456844	Enver ÇOKY
2 31 2019-07-26 10:55:50.000	25500	FRITOLAY LAYS BAH PARTİ 150 GR *12"	FRITOLAY	GIDA	BISKUVİ-CEREZ	CIPS	CİPSLER	4	6	24	2456844	Enver ÇOKY
3 31 2019-01-06 10:55:50.000	2869	FABER KURSUN KALEM 4LU*18	KIRTASIYELER	EV	KITAP-DERGH-KIRTASIYE	KIRTASIYE	KIRTASIYE GEREÇLERİ	9	5.5	49.5	2456844	Enver ÇOKY
4 32 2019-12-30 08:18:28.000	14756	MILUPA APTAMIL 900 GR 2	MILUPA	BEBEK	HAZIR YEMEK-MAMA	HAZIR COCUK YEMEKLERİ	HAZIR MAMALAR	3	125.95	377.85	1705209	Esmenur AC
5 32 2019-10-07 08:18:28.000	27283	CEM PROMO 24 CM SERAMİK K.YARIK TAVA	CEM	EV	MUTFAK GEREÇLERİ	MUTFAK ESYA-GEREÇLERİ	TAVA	7	39.36	275.52	1705209	Esmenur AC
6 32 2019-04-22 08:18:28.000	20159	CTONA METAL KALEM TRAS	KIRTASIYELER	EV	KITAP-DERGH-KIRTASIYE	KIRTASIYE	KIRTASIYE GEREÇLERİ	7	1.2	8.4	1705209	Esmenur AC
7 32 2019-07-21 08:18:28.000	11323	SERVE BOLD 0.7 VERSATİL KALEM	KIRTASIYELER	EV	KITAP-DERGH-KIRTASIYE	KIRTASIYE	KIRTASIYE GEREÇLERİ	5	1.2	6	1705209	Esmenur AC
8 33 2019-01-14 13:13:49.000	20571	TUTKU BAYAN THERMAL ALT XL SIYAH	TUTKU	EV	TEKSTİL-GİYİM-AKSESUAR	CAMASIRLAR	BAYAN CAMASIR	9	21.95	197.55	163298	Esmenur BO
9 33 2019-09-16 13:13:49.000	24905	ATASOZLERİ DEYİMLER	KITAPLAR	EV	KITAP-DERGH-KIRTASIYE	KITAP	KITAPLAR	6	4.75	28.5	163298	Esmenur BO
10 33 2019-08-29 13:13:49.000	24966	YAYLA BULGUR GURME 360 GR KINOALI *8"	YAYLA	GIDA	BAKLIYAT-MAKARNA	BAKLIYAT	DIĞER BAKLIYATLAR	3	5.2	15.6	163298	Esmenur BO
11 33 2019-09-21 13:13:49.000	1965	BİBER SIVRI- 2	BİBER	SEBZE	MALATYAT MANAV	MANAV	SEBZELER	5	4.75	23.75	163298	Esmenur BO
12 33 2019-08-22 13:13:49.000	12706	OHTO PRIVE KALEM	KIRTASIYELER	EV	KITAP-DERGH-KIRTASIYE	KIRTASIYE	KIRTASIYE GEREÇLERİ	10	3.5	35	163298	Esmenur BO
13 33 2019-11-13 13:13:49.000	19745	CARPEX ZINCIR YAGLAYICI 200 ML	CARPEX	EV	KİSİSEL İLGİ-EĞLENCE	OTO BAKIM-AKSESUARLARI	OTO MALZEMELERİ	9	7.128	64.152	163298	Esmenur BO
14 33 2019-02-19 13:13:49.000	22454	TAMEK RECEL 380 GR AYVA *12"	TAMEK	KAHVALTIK	BAL-RECEL	RECEL	AYVA	5	3.144	15.72	163298	Esmenur BO

Aggregate Komutları:

Aggregate fonksiyonları tek başına kullanıldığına bir sütunun tüm satırlar okuduktan sonra tek satır halinde çıktı vermesi ile çalışır:

SUM(Column1)
 AVG(Column1)
 MAX(Column1)
 MIN(Column1)
 COUNT(*)

• Örnekler:

Mesela tek bir toplam, ortalama, min, max sonucu

```
SELECT
SUM(TOTALPRICE),
COUNT(*),
AVG(TOTALPRICE),

MAX(TOTALPRICE),
MIN(TOTALPRICE)
```

FROM SALES

100 %

	(No column name)	(No column name)	(No column name)	(No column name)	(No column name)
1	8092816,07012243	115024	70,3576303216932	9990	0,16

SELECT

SUM(TOTALPRICE),

COUNT(*),

AVG(TOTALPRICE),

MAX(TOTALPRICE),

MIN(TOTALPRICE)

FROM SALES

WHERE CITY= 'Gümüşhane'

--
SELECT

SUM(TOTALPRICE),

COUNT(*),

AVG(TOTALPRICE),

MAX(TOTALPRICE),

MIN(TOTALPRICE)

FROM SALES

WHERE CITY= 'Trabzon'

100 %

	(No column name)	(No column name)	(No column name)	(No column name)	(No column name)
1	66989,252189564	977	68,566276550219	2240,1	0,456

	(No column name)	(No column name)	(No column name)	(No column name)	(No column name)
1	60802,322189564	868	70,0487582829078	2240,1	0,456

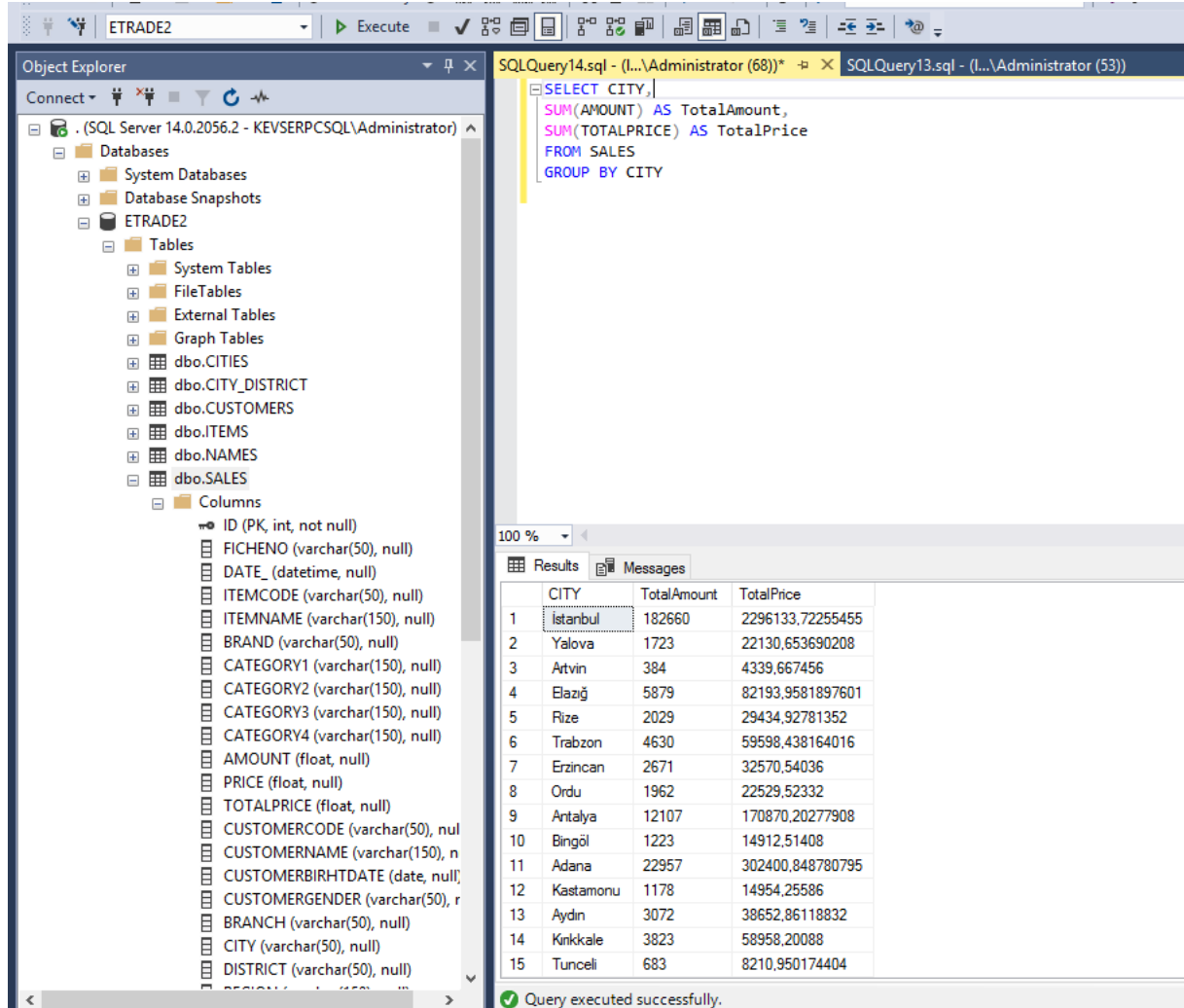
Group By komutları:

Grouped By komutları, bir sütuna göre gruplandırma yapıldıktan sonra o gruplandırmaya göre Aggregate yapmanızı sağlar.

- Örnekler:

Mesela Ay sütunundaki verilere göre toplam, ortalama, min max sonucu

```
SELECT CITY,  
SUM(AMOUNT) AS TotalAmount,  
SUM(TOTALPRICE) AS TotalPrice  
FROM SALES  
GROUP BY CITY
```



The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the database structure for 'ETRADE2'. The main window shows a SQL query in the 'SQLQuery14.sql' file. The query is:

```
SELECT CITY,  
SUM(AMOUNT) AS TotalAmount,  
SUM(TOTALPRICE) AS TotalPrice  
FROM SALES  
GROUP BY CITY
```

The 'Results' tab shows the output of the query, which is a table with 3 columns: CITY, TotalAmount, and TotalPrice. The table contains 15 rows of data, representing different cities and their corresponding sales amounts and total prices.

	CITY	TotalAmount	TotalPrice
1	İstanbul	182660	2296133,72255455
2	Yalova	1723	22130,653690208
3	Artvin	384	4339,667456
4	Elazığ	5879	82193,9581897601
5	Rize	2029	29434,92781352
6	Trabzon	4630	59598,438164016
7	Erzincan	2671	32570,54036
8	Ordu	1962	22529,52332
9	Antalya	12107	170870,20277908
10	Bingöl	1223	14912,51408
11	Adana	22957	302400,848780795
12	Kastamonu	1178	14954,25586
13	Aydın	3072	38652,86118832
14	Kırıkkale	3823	58958,20088
15	Tunceli	683	8210,950174404

Query executed successfully.

```
SELECT CITY,
SUM(AMOUNT) AS TotalAmount,
SUM(TOTALPRICE) AS TotalPrice
FROM SALES
GROUP BY CITY
ORDER BY TotalPrice DESC
```

100 %

	CITY	TotalAmount	TotalPrice
1	Istanbul	182660	2296133,72255455
2	Ankara	66193	835993,485745193
3	İzmir	46202	581251,928174803
4	Bursa	25096	316313,689674403
5	Adana	22957	302400,848780795
6	Gaziantep	18915	263505,025985796
7	Konya	15893	194161,152828068
8	Antalya	12107	170870,20277908
9	Kayseri	11333	153899,52013066
10	Mersin	11339	142572,732462016
11	Diyarbakır	11080	137759,585574692
12	Eskişehir	10292	134230,250739404
13	Şanlıurfa	8767	105817,645017052
14	Samsun	7334	104266,22201128
15	Malatya	7765	101697,926355912

Query executed successfully.

```
SELECT TOP 7 CITY,
SUM(AMOUNT) AS TotalAmount,
SUM(TOTALPRICE) AS TotalPrice
FROM SALES
GROUP BY CITY
ORDER BY TotalPrice DESC
```

100 %

	CITY	TotalAmount	TotalPrice
1	Istanbul	182660	2296133,72255455
2	Ankara	66193	835993,485745193
3	İzmir	46202	581251,928174803
4	Bursa	25096	316313,689674403
5	Adana	22957	302400,848780795
6	Gaziantep	18915	263505,025985796
7	Konya	15893	194161,152828068

➤ 81 ilden bir mağazanın gün bazlı amount ve total price değerlerini bastıralım:
Mesela Tutku markasının günlük cirosunu gösterelim:

SQLQuery17.sql - (L...\Administrator (71)) * SQLQuery16.sql - (L...\Administrator (70)) SQLQuery15.sql - (L...\Administrator (69)) SQLQuery14.sql - (L...\Administrator (68)) SQLQuery13.sql - (L...\Administrator (53))

```
SELECT *
FROM SALES
```

100 %

	ITEMCODE	ITEMNAME	BRAND	CATEGORY1	CATEGORY2	CATEGORY3	CATEGORY4	AMOUNT	PRICE	TOTALPRICE	CUSTO
1	26 10:55:50.000	25500	FRITOLAY	GIDA	BISKUVI/CEREZ	CIPS	CIPS	4	6	24	245684
2	06 10:55:50.000	2869	FABER KURSUN KALEM 4LU*18	KIRTASIYELER	EV	KITAP-DERGI-KIRTASIYE	KIRTASIYE	9	5,5	49,5	245684
3	30 08:18:28.000	14756	MILUPA APTAMIL 900 GR 2	MILUPA	BEBEK	HAZIR YEMEK-MAMA	HAZIR COCUK YEMEKLERI	3	125,95	377,85	170520
4	07 08:18:28.000	27283	CEM PROMO 24 CM SERAMIK K.YARIK TAVA	CEM	EV	MUTFAK GERECLERI	MUTFAK ESYA-GERECLERI	7	39,36	275,52	170520
5	22 08:18:28.000	20159	CTONA METAL KALEM TRAS	KIRTASIYELER	EV	KITAP-DERGI-KIRTASIYE	KIRTASIYE	7	1,2	8,4	170520
6	21 08:18:28.000	11323	SERVE BOLD 0.7 VERSATIL KALEM	KIRTASIYELER	EV	KITAP-DERGI-KIRTASIYE	KIRTASIYE	5	1,2	6	170520
7	14 13:13:49.000	20571	TUTKU BAYAN THERMAL ALT XL SIYAH	TUTKU	EV	TEKSTIL-GIYIM-AKSESUAR	CAMASIRLAR	9	21,95	197,55	163298
8	16 13:13:49.000	24905	ATASOZLERI DEYIMLER	KITAPLAR	EV	KITAP-DERGI-KIRTASIYE	KITAP	6	4,75	28,5	163298
9	29 13:13:49.000	24566	YAYLA BULGUR GURME 360 GR KINOALI *8*	YAYLA	GIDA	BAKLIYAT-MAKARNA	BAKLIYAT	3	5,2	15,6	163298
10	21 13:13:49.000	1965	BIBER SIVRI- 2	BIBER	SEBZE	MALATYA MANAV	MANAV	5	4,75	23,75	163298
11	22 13:13:49.000	12706	OHTO PRIVE KALEM	KIRTASIYELER	EV	KITAP-DERGI-KIRTASIYE	KIRTASIYE	10	3,5	35	163298

➤ Hatta Tutku markasının illere göre cirosunu gösterebiliriz:

SELECT CITY,

SUM(AMOUNT) AS Amount,

SUM(TOTALPRICE) AS TotalPrice

FROM SALES

WHERE BRAND= 'TUTKU'

GROUP BY CITY

100 %

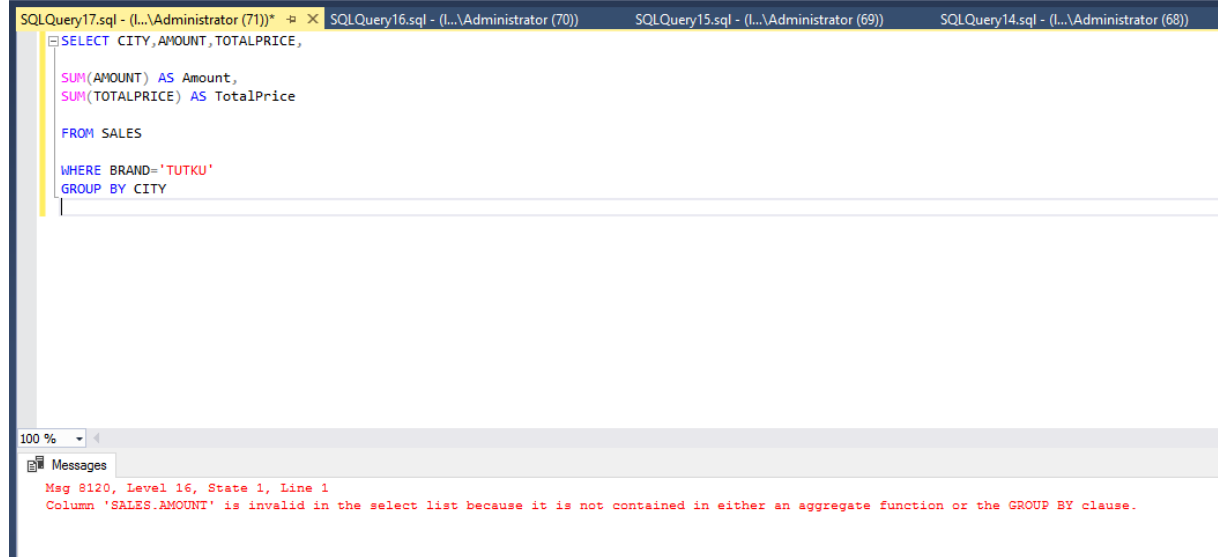
Results Messages

	CITY	Amount	TotalPrice
1	Istanbul	2674	18059,438
2	Yalova	6	49,5
3	Elazığ	142	881,626
4	Rize	26	331
5	Trabzon	69	480,192
6	Ordu	21	163,67
7	Erzincan	13	80,688
8	Antalya	148	977,17
9	Bingöl	15	113,75
10	Adana	224	1632,656
11	Kastamonu	20	294,4
12	Aydın	17	66,7
13	Kırıkkale	41	297,414
14	Tunceli	5	31,168
15	Uşak	23	132,676

Query executed successfully.

HATA ! Msg 8120, Level 16, State 1, Line 1

Column 'SALES.AMOUNT' is invalid in the select list because it is not contained in either an aggregate function or the GROUP BY clause.



```
SQLQuery17.sql - (L...\Administrator (71)) * SQLQuery16.sql - (L...\Administrator (70)) SQLQuery15.sql - (L...\Administrator (69)) SQLQuery14.sql - (L...\Administrator (68))
SELECT CITY,AMOUNT,TOTALPRICE,
SUM(AMOUNT) AS Amount,
SUM(TOTALPRICE) AS TotalPrice
FROM SALES
WHERE BRAND='TUTKU'
GROUP BY CITY
```

100 %

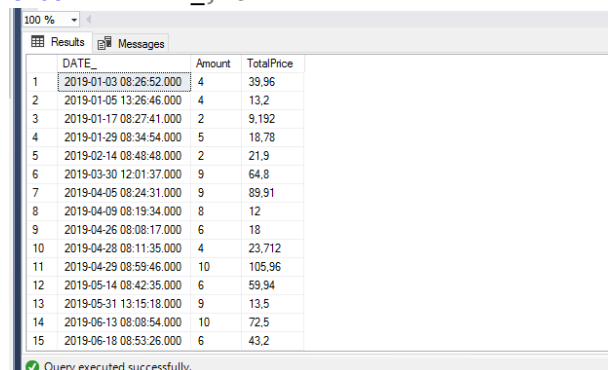
Messages

Msg 8120, Level 16, State 1, Line 1
Column 'SALES.AMOUNT' is invalid in the select list because it is not contained in either an aggregate function or the GROUP BY clause.

Bu hata, SELECT ifadesindeki sütunların GROUP BY ifadesi ile uyumlu olmadığından kaynaklanmaktadır. GROUP BY kullanıldığında, SELECT ifadesindeki tüm sütunların ya GROUP BY içinde yer alması ya da bir toplama (aggregate) fonksiyonu içinde kullanılması gerekir.

Sizin durumunuzda, CITY dışındaki sütunlar (AMOUNT ve TOTALPRICE) GROUP BY içinde değil ve aynı zamanda toplama fonksiyonu içinde yer almıyorlar. Bu yüzden bu sütunları ya GROUP BY içine almalısınız ya da toplama fonksiyonu içinde kullanmalısınız. Ancak, bu sütunların GROUP BY içinde olmaması, verilerin toplama fonksiyonu ile toplanarak gösterilmesini gerektirir.

```
SELECT DATE_,
SUM(AMOUNT) AS Amount,
SUM(TOTALPRICE) AS TotalPrice
FROM SALES
WHERE BRAND='TUTKU'
GROUP BY DATE_, CITY
```



	DATE_	Amount	TotalPrice
1	2019-01-03 08:26:52.000	4	39.96
2	2019-01-05 13:26:46.000	4	13.2
3	2019-01-17 08:27:41.000	2	9.192
4	2019-01-29 08:34:54.000	5	18.78
5	2019-02-14 08:48:48.000	2	21.9
6	2019-03-30 12:01:37.000	9	64.8
7	2019-04-05 08:24:31.000	9	89.91
8	2019-04-09 08:19:34.000	8	12
9	2019-04-26 08:08:17.000	6	18
10	2019-04-28 08:11:35.000	4	23.712
11	2019-04-29 08:59:46.000	10	105.96
12	2019-05-14 08:42:35.000	6	59.94
13	2019-05-31 13:15:18.000	9	13.5
14	2019-06-13 08:08:54.000	10	72.5
15	2019-06-18 08:53:26.000	6	43.2

Query executed successfully.

```
SELECT DATE_,
CONVERT(DATE,DATE_) AS DATEjustDAY,
SUM(AMOUNT) AS Amount,
SUM(TOTALPRICE) AS TotalPrice
FROM SALES
WHERE BRAND='TUTKU'
GROUP BY DATE_
```

	DATE_	DATEjustDAY	Amount	TotalPrice
1	2019-01-01 08:20:48.000	2019-01-01	3	6,192
2	2019-01-01 10:16:58.000	2019-01-01	10	99,9
3	2019-01-02 08:10:20.000	2019-01-02	7	69,93
4	2019-01-02 08:20:03.000	2019-01-02	4	15,168
5	2019-01-02 08:33:52.000	2019-01-02	8	19,584
6	2019-01-02 16:52:27.000	2019-01-02	9	62,1
7	2019-01-03 08:26:52.000	2019-01-03	4	39,96
8	2019-01-03 08:35:27.000	2019-01-03	9	49,788
9	2019-01-03 08:36:58.000	2019-01-03	3	32,7
10	2019-01-03 08:56:31.000	2019-01-03	10	37,5
11	2019-01-03 10:34:56.000	2019-01-03	7	48,3
12	2019-01-03 13:05:30.000	2019-01-03	4	39,96
13	2019-01-04 08:31:14.000	2019-01-04	8	41,76
14	2019-01-04 10:13:09.000	2019-01-04	4	30
15	2019-01-04 10:50:10.000	2019-01-04	6	9

Query executed successfully.

Tabloya yeni sütun ekleme ve Veri türünü değiştirme:

SQLQuery20.sql - (local).ETRADE2 (KEVSEPCSQL\Administrator (74)) - Micro:

File Edit View Project Tools Window Help

Object Explorer

Connect

(SQL Server 14.0.2056.2 - KEVSEPCSQL\Administrator)

Databases

System Databases

Database Snapshots

ETRADE2

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.CITIES

dbo.CITY_DISTRICT

dbo.CUSTOMERS

dbo.ITEMS

dbo.NAMES

dbo.SALES

Columns

New Column...

Start PowerShell

Reports

Refresh

KEVSEPCSQL.ETRADE2 - dbo.SALES* SQLQuery20.sql - (local).Admini

Column Name	Data Type	Allow Nulls
ITEMCODE	varchar(50)	<input checked="" type="checkbox"/>
ITEMNAME	varchar(150)	<input checked="" type="checkbox"/>
BRAND	varchar(50)	<input checked="" type="checkbox"/>
CATEGORY1	varchar(150)	<input checked="" type="checkbox"/>
CATEGORY2	varchar(150)	<input checked="" type="checkbox"/>
CATEGORY3	varchar(150)	<input checked="" type="checkbox"/>
CATEGORY4	varchar(150)	<input checked="" type="checkbox"/>
AMOUNT	float	<input checked="" type="checkbox"/>
PRICE	float	<input checked="" type="checkbox"/>
TOTALPRICE	float	<input checked="" type="checkbox"/>
CUSTOMERCODE	varchar(50)	<input checked="" type="checkbox"/>
CUSTOMERNAME	varchar(150)	<input checked="" type="checkbox"/>
CUSTOMERBIRHTDATE	date	<input checked="" type="checkbox"/>
CUSTOMERGENDER	varchar(50)	<input checked="" type="checkbox"/>
BRANCH	varchar(50)	<input checked="" type="checkbox"/>
CITY	varchar(50)	<input checked="" type="checkbox"/>
DISTRICT	varchar(50)	<input checked="" type="checkbox"/>
REGION	varchar(150)	<input checked="" type="checkbox"/>
DATEday	nchar(10)	<input checked="" type="checkbox"/>

```
SELECT DATE_, DATEday
FROM SALES
```

100 %

Results Messages

	DATE_	DATEday
1	2019-07-26 10:55:50.000	NULL
2	2019-01-06 10:55:50.000	NULL
3	2019-12-30 08:18:28.000	NULL
4	2019-10-07 08:18:28.000	NULL
5	2019-04-22 08:18:28.000	NULL
6	2019-07-21 08:18:28.000	NULL
7	2019-01-14 13:13:49.000	NULL
8	2019-09-16 13:13:49.000	NULL
9	2019-08-29 13:13:49.000	NULL
10	2019-09-21 13:13:49.000	NULL
11	2019-08-22 13:13:49.000	NULL
12	2019-11-13 13:13:49.000	NULL
13	2019-02-19 13:13:49.000	NULL
14	2019-10-15 19:03:29.000	NULL
15	2019-05-18 19:03:29.000	NULL

Query executed successfully.

```
UPDATE SALES
SET DATEday= CONVERT(DATE,DATE_)
```

100 %

Messages

(103439 rows affected)

```
SELECT DATE_, DATEday
FROM SALES
```

100 %

Results Messages

	DATE_	DATEday
1	2019-07-26 10:55:50.000	2019-07-26
2	2019-01-06 10:55:50.000	2019-01-06
3	2019-12-30 08:18:28.000	2019-12-30
4	2019-10-07 08:18:28.000	2019-10-07
5	2019-04-22 08:18:28.000	2019-04-22
6	2019-07-21 08:18:28.000	2019-07-21
7	2019-01-14 13:13:49.000	2019-01-14
8	2019-09-16 13:13:49.000	2019-09-16
9	2019-08-29 13:13:49.000	2019-08-29
10	2019-09-21 13:13:49.000	2019-09-21
11	2019-08-22 13:13:49.000	2019-08-22
12	2019-11-13 13:13:49.000	2019-11-13
13	2019-02-19 13:13:49.000	2019-02-19
14	2019-10-15 19:03:29.000	2019-10-15
15	2019-05-18 19:03:29.000	2019-05-18

Query executed successfully.


```
SELECT DATEday,
SUM(TOTALPRICE),
SUM(AMOUNT)
FROM SALES
WHERE CITY= 'Gümüşhane'
GROUP BY DATEday
```

100 %

Results Messages

	DATEday	(No column name)	(No column name)
1	2019-01-03	37,584	6
2	2019-01-13	34,65	9
3	2019-01-14	164,5	5
4	2019-01-17	87,6	8
5	2019-01-19	9,6	5
6	2019-01-29	145,584	9
7	2019-01-30	64,75	7
8	2019-02-04	269,9	10
9	2019-02-05	9,84	2
10	2019-02-10	146,88	8
11	2019-02-19	26,028	9
12	2019-02-26	64	8
13	2019-02-28	8,25	3
14	2019-03-01	44	2
15	2019-03-02	88,976	18

Query executed successfully. | (lo

```
SELECT DATEday,CITY,
SUM(AMOUNT) AS Amount,
SUM(TOTALPRICE) AS TotalPrice
FROM SALES
WHERE BRAND= 'TUTKU'
GROUP BY DATEday, CITY
```

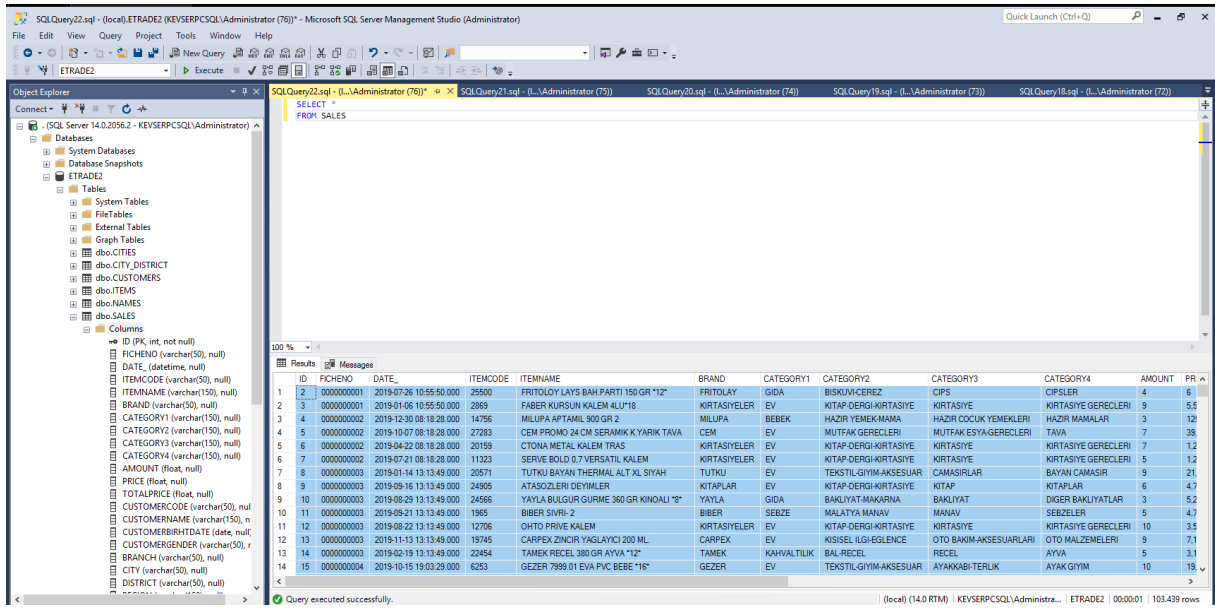
100 %

Results Messages

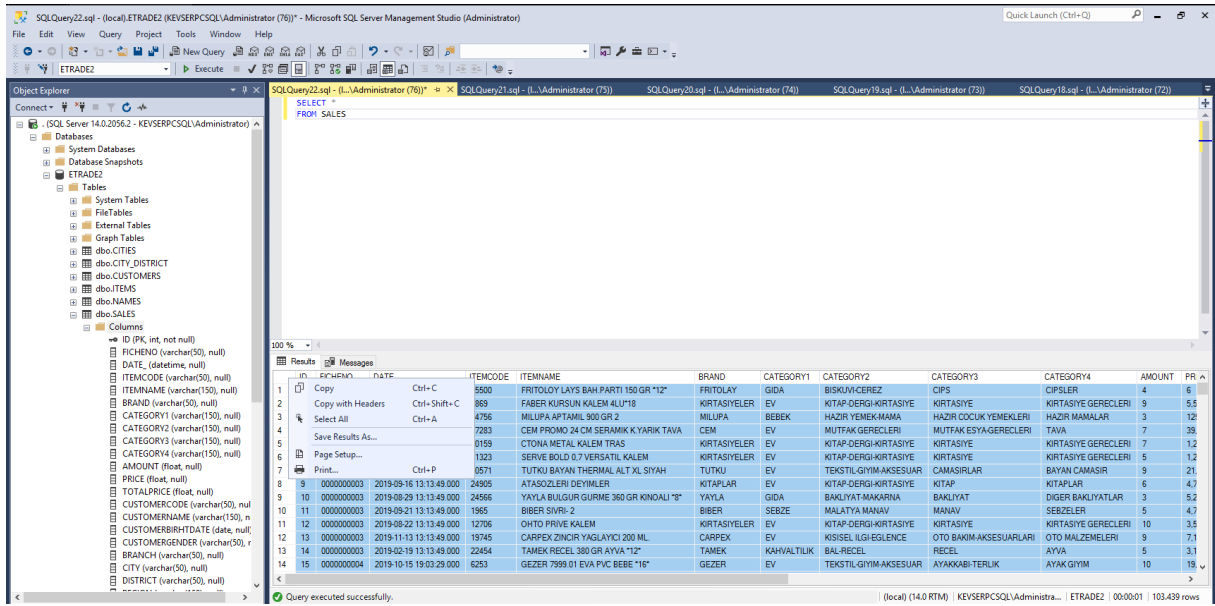
	DATEday	CITY	Amount	TotalPrice
1	2019-01-03	Adana	4	39,96
2	2019-01-05	Adana	4	13,2
3	2019-01-17	Adana	2	9,192
4	2019-01-29	Adana	5	18,78
5	2019-02-14	Adana	2	21,9
6	2019-03-30	Adana	9	64,8
7	2019-04-05	Adana	9	89,91
8	2019-04-09	Adana	8	12
9	2019-04-26	Adana	6	18
10	2019-04-28	Adana	4	23,712
11	2019-04-29	Adana	10	105,96
12	2019-05-14	Adana	6	59,94
13	2019-05-31	Adana	9	13,5
14	2019-06-13	Adana	10	72,5
15	2019-06-18	Adana	6	43,2

Query executed successfully. | (local) (14.0 RTM)

Excel Tablosu içerisinde pivot table oluşturmak:



Query executed successfully. (local) (14.0 RTM) KEYSERPCSQL\Administra... | ETRADE2 | 00:00:01 | 103.439 rows



Query executed successfully. (local) (14.0 RTM) KEYSERPCSQL\Administra... | ETRADE2 | 00:00:01 | 103.439 rows

SQLQuery22.sql - (L...\Administrator (76))* X SQLQuery21.sql - (L...\Administrator (75)) SQLQuery20.sql - (L...\Administrator (75))

```

SELECT DATEday,
SUM(AMOUNT) AS Amount,
SUM(TOTALPRICE) AS TotalPrice
FROM SALES
WHERE BRAND='TUTKU'
GROUP BY DATEday

```

100 %

Results Messages

	DATEday	Amount	TotalPrice
1	2019-01-01	13	106.092
2	2019-01-02	28	166.782
3	2019-01-03	37	248.208
4	2019-01-04	40	262.69
5	2019-01-05	18	110.8
6	2019-01-06	33	214.998
7	2019-01-07	12	54.45
8	2019-01-08	28	183.61
9	2019-01-09	33	274.7
10	2019-01-10	34	182.292
11	2019-01-11	46	370.152
12	2019-01-12	48	391.352
13	2019-01-13	25	175.506
14	2019-01-14	22	289.662
15	2019-01-15	27	222.63

Query executed successfully.

AutoSave OFF Book1 - Excel


File Home Insert Page Layout Formulas Data Review View Automate Help novaPDF 11

Clipboard Font Alignment Number Styles

DATEday

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	DATEday	Amount	TotalPrice															
2	#####	13	106,092															
3	#####	28	166,782															
4	#####	37	248,208															
5	#####	40	262,69															
6	#####	18	110,8															
7	#####	33	214,998															
8	#####	12	54,45															
9	#####	28	183,61															
10	#####	33	274,7															
11	#####	34	182,292															
12	#####	46	370,152															
13	#####	48	391,352															
14	#####	25	175,506															
15	#####	22	289,662															
16	#####	27	222,63															
17	#####	8	79,92															
18	#####	41	268,542															
19	#####	16	101,508															
20	#####	16	68,7															
21	#####	35	268,752															
22	#####	29	188,156															
23	#####	29	132,296															
24	#####	9	106,76															
25	#####	8	30,03															
26	#####	19	233															
27	#####	15	104,784															
28	#####	8	41,76															
29	#####	11	101,7															
30	#####	24	186,05															
31	#####	16	157,26															
32	#####	30	328,656															
33	#####	32	200,754															
34	#####	44	251,828															
35	#####	11	96,824															
36	#####	3	42,408															
37	#####	16	106,716															

Sheet1

AutoSave  Book1 - Excel

File Home Insert Page Layout Formulas Data Review View Automate Help novaPDF 11 Table Design

Table Name: Table1

Summarize with PivotTable
Remove Duplicates
Convert to Range

Insert Slicer
Export
Refresh
Open in Browser
Unlink

External Table Data

Header Row
Total Row
Banded Rows

First Column
Last Column
Banded Columns


Filter Button

Table Styles

Light Turquoise, Table Style Light 2

DATE	Day	Amount	TotalPrice
01/01/2019	13	106,092	
02/01/2019	28	166,782	
03/01/2019	37	248,208	
04/01/2019	40	262,69	
05/01/2019	18	110,8	
06/01/2019	33	214,998	
07/01/2019	12	54,45	
08/01/2019	28	183,61	
09/01/2019	33	274,7	
10/01/2019	34	182,292	
11/01/2019	46	370,152	
12/01/2019	48	391,352	
13/01/2019	25	175,506	
14/01/2019	22	289,662	
15/01/2019	27	222,63	
16/01/2019	8	79,92	
17/01/2019	41	268,542	
18/01/2019	16	101,508	
19/01/2019	16	68,7	
20/01/2019	35	268,752	
21/01/2019	29	188,156	
22/01/2019	29	132,296	
23/01/2019	9	106,76	
24/01/2019	8	30,03	
25/01/2019	19	233	
26/01/2019	15	104,784	
27/01/2019	8	41,76	
28/01/2019	11	101,7	
29/01/2019	24	186,05	
30/01/2019	16	157,26	
31/01/2019	30	328,656	
01/02/2019	32	200,754	
02/02/2019	44	251,828	
03/02/2019	11	96,824	
04/02/2019	3	42,408	
05/02/2019	16	106,716	

Sheet1

AutoSave  On sql.xlsx • Saved

File Home Insert Page Layout Formulas Data Review View Automate Help novaPDF 11

PivotTable
Recommended PivotTables

From Table/Range
From External Data Source
From Data Model

PivotTable from table or range.
Create a PivotTable using data in a table or range.

Pictures
Shapes
Icons
SmartArt
Screenshot

Illustrations

Checkbox
Recommended Charts
Charts

Controls

DATE	Day	Amount	TotalPrice
01/01/2019	13	106,092	
02/01/2019	28	166,782	
03/01/2019	37	248,208	
04/01/2019	40	262,69	
05/01/2019	18	110,8	
06/01/2019	33	214,998	
07/01/2019	12	54,45	
08/01/2019	28	183,61	
09/01/2019	33	274,7	
10/01/2019	34	182,292	
11/01/2019	46	370,152	
12/01/2019	48	391,352	
13/01/2019	25	175,506	

AutoSave On | sql.xlsx - Saved

File Home Insert Page Layout Formulas Data Review View Automate Help novaPDF 11

PivotTable Recommended PivotTables Tables

Pictures Shapes Icons SmartArt Illustrations

Checkbox Recommended Charts Controls

Maps PivotChart Charts

Line Column Win/Loss Sparklines

E6 | fx

DATEday	Amount	TotalPrice
01/01/2019	13	106,092
02/01/2019	28	166,782
03/01/2019	37	248,208
04/01/2019	40	262,69
05/01/2019	18	110,8
06/01/2019	33	214,998
07/01/2019	12	54,45
08/01/2019	28	183,61
09/01/2019	33	274,7
10/01/2019	34	182,292
11/01/2019	46	370,152
12/01/2019	48	391,352
13/01/2019	25	175,506
14/01/2019	22	289,662
15/01/2019	27	222,63

PivotTable from table or range

Select a table or range

Table/Range: Table1

Choose where you want the PivotTable to be placed

☐ New Worksheet

☒ Existing Worksheet

Location: Sheet1!\$E\$6

Choose whether you want to analyze multiple tables

☐ Add this data to the Data Model

OK Cancel

AutoSave On | sql.xlsx - Saved

File Home Insert Page Layout Formulas Data Review View Automate Help novaPDF 11 PivotTable Analyze Design

PivotTable Name: ActiveField

PivotTable Fields

Choose fields to add to report

DATEday Amount TotalPrice More Tables...

Drag fields between areas below

Filters Columns Rows Values

Defer Layout Update

Update

AutoSave On | sql.xlsx - Saved

File Home Insert Page Layout Formulas Data Review View Automate Help novaPDF 11 PivotTable Analyze Design

PivotTable Name: Months (DATEday)

PivotTable Fields

Choose fields to add to report

DATEday Amount TotalPrice Days (DATEday) Months (DATEday) More Tables...

Drag fields between areas below

Filters Columns Rows Values

Months (DATEday) Sum of Amount Count of TotalPrice

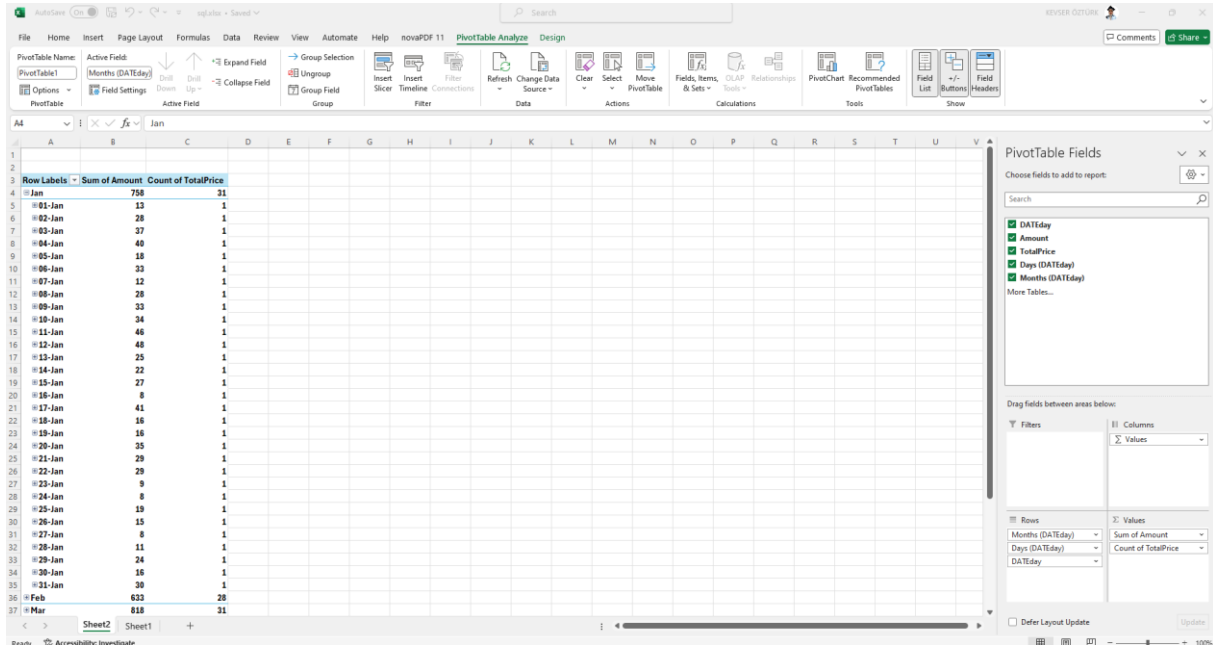
Days (DATEday) Count of TotalPrice

DATEday

Defer Layout Update

Update

Row Labels	Sum of Amount	Count of TotalPrice
Jan	750	31
Feb	633	28
Mar	838	31
Apr	882	30
May	793	30
Jun	781	30
Jul	700	31
Aug	638	31
Sep	761	28
Oct	670	31
Nov	661	30
Dec	690	31
Grand Total	8668	362



ÖRNEK 2:

Bir günün mağaza bazlı satış fiyatlarını görmek:

```
/*
```

```
SELECT *
FROM SALES
*/
```

```
SELECT DATEday, CITY,
```

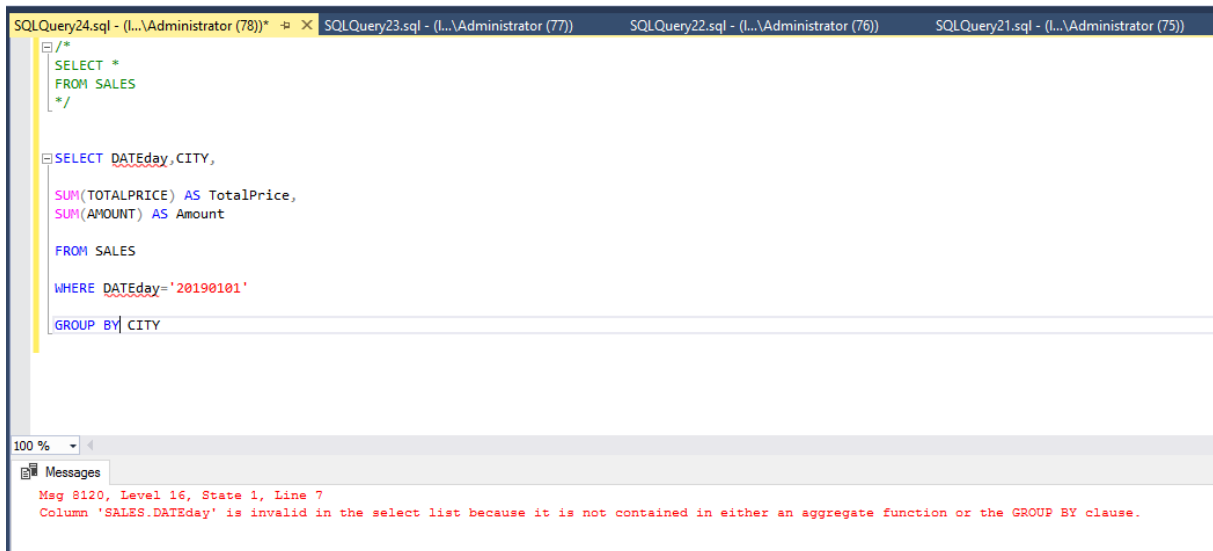
```
SUM(TOTALPRICE),
SUM(AMOUNT)
```

```
FROM SALES
```

```
GROUP BY DATEday, CITY
```

DATEday	CITY	(No column name)	(No column name)
2019-09-07	Mersin	913,892	44
2019-08-22	Sanliurfa	196,516	28
2019-12-08	Osmaniye	17,25	5
2019-06-03	Malatya	16,2	3
2019-09-29	Adiyaman	146,19	19
2019-10-24	Bilecik	3,6	3
2019-05-26	Hatay	95,07	15
2019-05-21	Bursa	968,02	45
2019-01-26	Muş	27,6	4
2019-03-25	Kütahya	89,7	3
2019-02-17	Aksaray	198,28	24
2019-09-10	Elazığ	585,528	50
2019-07-30	Çorum	495,9	39
2019-03-19	Trabzon	477,34	41
2019-10-31	Antalya	73,2	14

```
/*  
SELECT *  
FROM SALES  
*/  
  
SELECT DATEday, CITY,  
  
SUM(TOTALPRICE) AS TotalPrice,  
SUM(AMOUNT) AS Amount  
  
FROM SALES  
  
WHERE DATEday='20190101'  
  
GROUP BY CITY
```



HATA!Msg 8120, Level 16, State 1, Line 7
Column 'SALES.DATEday' is invalid in the select list because it is not contained in either an aggregate function or the GROUP BY clause.

AÇIKLAMA !

Çünkü SELECT içerisinde DATEday kullandıysan bu DATEday, ya Aggregate fonksiyonlarının (SUM, AVG, MAX, MIN) içerisinde kullanılmalı ya da GROUP BY fonksiyonunda kullanılmalı.

Şimdi Aggregate fonksiyonuyla DATEday için bir toplama, max veya min değerini alma söz konusu değil; o zaman gruptandırma için kullanılacak ve yeni hatasız kod aşağıdaki gibi olmalıdır:

```
SQLQuery24.sql - (I...\Administrator (78))* X SQLQuery23.sql - (I...\Administrator (77)) SQLQuery22.sql - (I...\Administrator (76))

/*
SELECT *
FROM SALES
*/

SELECT DATEday, CITY,
SUM(TOTALPRICE) AS TotalPrice,
SUM(AMOUNT) AS Amount
FROM SALES
WHERE DATEday='20190101'
GROUP BY DATEday, CITY
```

100 %

Results Messages

DATEday	CITY	TotalPrice	Amount
---------	------	------------	--------

HATA ! Bu sefer de hata vermedi ama ekran boş döndü çünkü tarihi 2019-01-01 olarak girmeli. Normalde resimdeki kullanım da doğru fakat DATEday formatını DATE olarak ayarladığın için içindeki tarih tipleri – kullanarak geldi.

O zaman tarih yazımını da komutta değiştirelim:

```
SELECT DATEday, CITY,
SUM(TOTALPRICE) AS TotalPrice,
SUM(AMOUNT) AS Amount
FROM SALES
WHERE DATEday='2019-01-01'
GROUP BY DATEday, CITY
```

100 %

Results Messages

	DATEday	CITY	TotalPrice	Amount
1	2019-01-01	Adana	899,598	73
2	2019-01-01	Afyonkarahisar	25,24	8
3	2019-01-01	Ağrı	7,5	3
4	2019-01-01	Aksaray	23,92	8
5	2019-01-01	Amasya	193,15	11
6	2019-01-01	Ankara	2196,572	163
7	2019-01-01	Antalya	267,434	36
8	2019-01-01	Batman	15,688	4
9	2019-01-01	Bingöl	92,6	4
10	2019-01-01	Bursa	1118,46	53
11	2019-01-01	Çanakkale	6,5	2
12	2019-01-01	Çankırı	40,2	3
13	2019-01-01	Diğer	339,36	28
14	2019-01-01	Elazığ	58,26	10
15	2019-01-01	Erzurum	242,46	24

Query executed successfully.



File

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2	296	43	19.10.0	9472	PENT 15 E	PENTI	EV	TEKSTİL-G	CORAPLAF	BAYAN CO	3	2,448	7,344	296083	Hamdi VU	*****	E	Adana	Adana	Yüreğir	Akdeniz	*****							
3	828	152	17.14.0	7127	SAMUR S.E	KIRTASIYE	EV	KITAP-DEF	KIRTASIYE	KIRTASIYE	9	1.2	10.8	1759244	Belinyi CI	*****	K	İsparta	İsparta	Keçiborlu	Akdeniz	*****							
4	849	157	08.47.0	13791	GARNIER S	GARNIER	EV	KOZMETİK	KİSİSEL	BALCI BAKIM	TEMİZLEM	3	22.99	68.97	2448973	Miraç PAP	*****	E	İstanbul	İstanbul	Çekirge	Marmara	*****						
5	1474	283	12.53.0	23732	GLISS SOH	GLISS	EV	KOZMETİK	DÜS-BAN	SAMPAN	SAC KREM	9	19.9	179.1	1975467	Nazlıcan I	*****	K	Kızılay	Kızılay	Sinav	Ege	*****						
6	2400	475	32.02.0	17555	ÖYÜNCÜK	ÖYÜNCÜK	EV	ÖYÜNCÜK	ZEKİ	GELİ	ÖYÜNCÜK	BEBE	3	67.6	202.8	2384116	Azad ÇEKİ	*****	E	Kayseri	Kayseri	Akışla	İç Anadolu	*****					
7	2980	591	08.36.0	9699	ATOM BAL	ÖYÜNCÜK	EV	ÖYÜNCÜK	ZEKİ	GELİ	ÖYÜNCÜK	BEBE	2	1.9	3.8	2263293	Çağla OK	*****	E	Şanlıurfa	Şanlıurfa	Birecik	Güneydoğu	*****					
8	3348	668	16.42.0	26647	ÖYÜNCÜK	ÖYÜNCÜK	EV	ÖYÜNCÜK	ZEKİ	GELİ	ÖYÜNCÜK	BEBE	6	14.45	86.7	601571	Remziye A	*****	K	Malatya	Malatya	M Doğu Ana	*****						
9	4709	999	26.25.0	20041	GEZER 202	GEZER	EV	TEKSTİL-G	AYAKKABI	AYAK	GIYI	10	36.2	362	2396492	Yıldız SUB	*****	K	Kayseri	Kayseri	Felahiye	İç Anadolu	*****						
10	4835	984	36.04.0	4237	CİPSO KET	CİPSO	GIDA	BİSKUVİ-C	CİPS	CİPSLER	6	2	12	1880406	Umit CANI	*****	E	İstanbul	İstanbul	Sarıcağaç	Marmara	*****							
11	5087	1032	32.30.0	22587	PAKMAK	PAKMAK	GIDA	UNLU MAI	PASTA	MA KABARTM	2	1.3	2.6	1468940	Mehmet B	*****	E	İstanbul	İstanbul	Fatih	Marmara	*****							
12	5228	1057	44.15.0	8619	MESTON C	KARO	KARO	KARO	1.KALITE	1.KALITE	7	35	245	693932	Makbule F	*****	K	İstanbul	İstanbul	Sarıyer	Marmara	*****							
13	6219	1248	44.09.0	11167	PRIMA A B	PRIMA	BEBEK	BEBE MALI	COOK	BE STANDART	2	66.9	133.8	1592939	Ufuk ŞAH	*****	E	Ankara	Ankara	Ayaz	İç Anadolu	*****							
14	7014	1407	15.10.0	6603	TO-FL-TA	TOFLTA	TEMİZLİK	TEMİZLİK	AYAKKABI	SUNGER	8	2.99	23.92	663336	Niyazi TEH	*****	E	Aksaray	Aksaray	Güzelyurt	İç Anadolu	*****							
15	7208	1449	04.13.0	4477	DOVE ROL	DOVE	KOZMETİK	PARFUM-C	DEODORA	DEO	2	22.9	45.8	1706572	Büşra EZZ	*****	K	İstanbul	İstanbul	Zeytinburnu	Marmara	*****							
16	7252	1460	40.38.0	3914	ALGIDA 75	ALGIDA	SUT	DONDUR	DONDUR	KAPLI	5	7.5	37.5	1402356	Pakize BİF	*****	E	Ankara	Ankara	Kalecik	İç Anadolu	*****							
17	8469	1721	22.48.0	27823	ÖYÜNCÜK	ÖYÜNCÜK	EV	ÖYÜNCÜK	ZEKİ	GELİ	ÖYÜNCÜK	BEBE	4	14.75	59	2214328	Osman Bİ	*****	E	Ankara	Ankara	Bala	İç Anadolu	*****					
18	9260	1874	16.18.0	19382	PRF. CALDI	CALDION	KOZMETİK	PARFUM-C	PARFUM	PARFUMLU	3	62.9	188.7	508296	Mehmet E	*****	E	İzmir	İzmir	Gazimihal	Ege	*****							
19	10160	2048	37.16.0	2009	GILLETTE T	GILLETTE	KOZMETİK	YUZ BAKIM	TIRAS	MAL TIRAS	KOF	3	4.896	14.688	2435794	Tuana OLU	*****	K	Kayseri	Kayseri	Sarıoğlu	İç Anadolu	*****						
20	10346	2083	45.22.0	26174	NAMALDI																								

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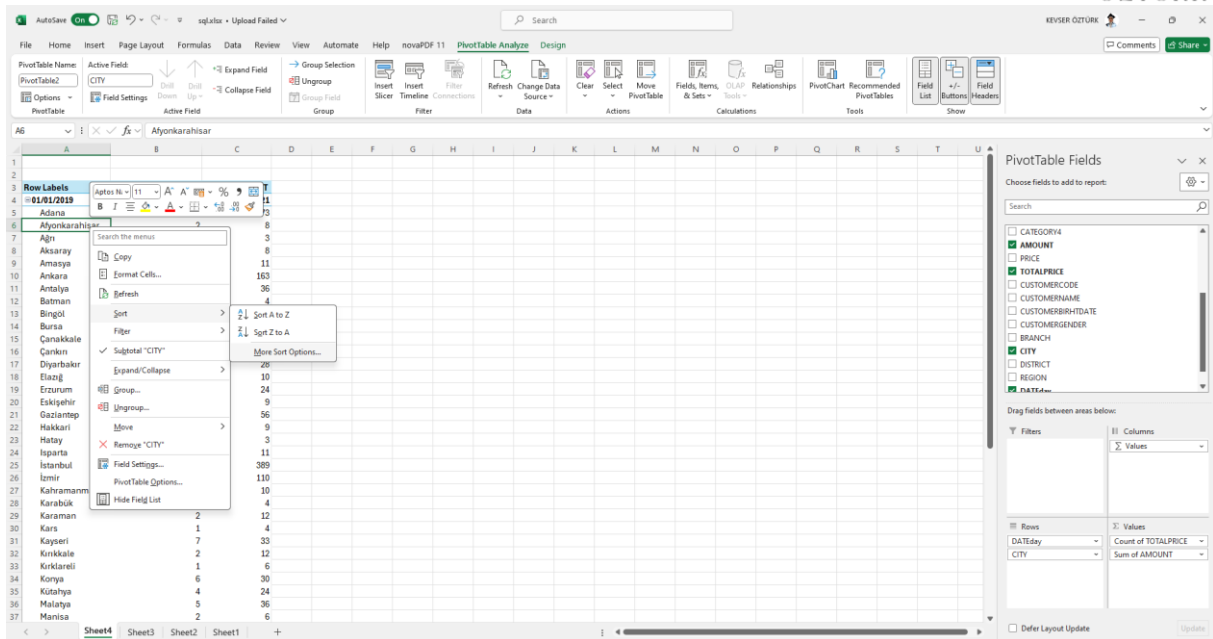
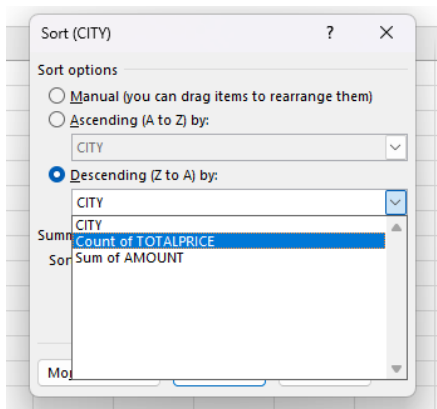
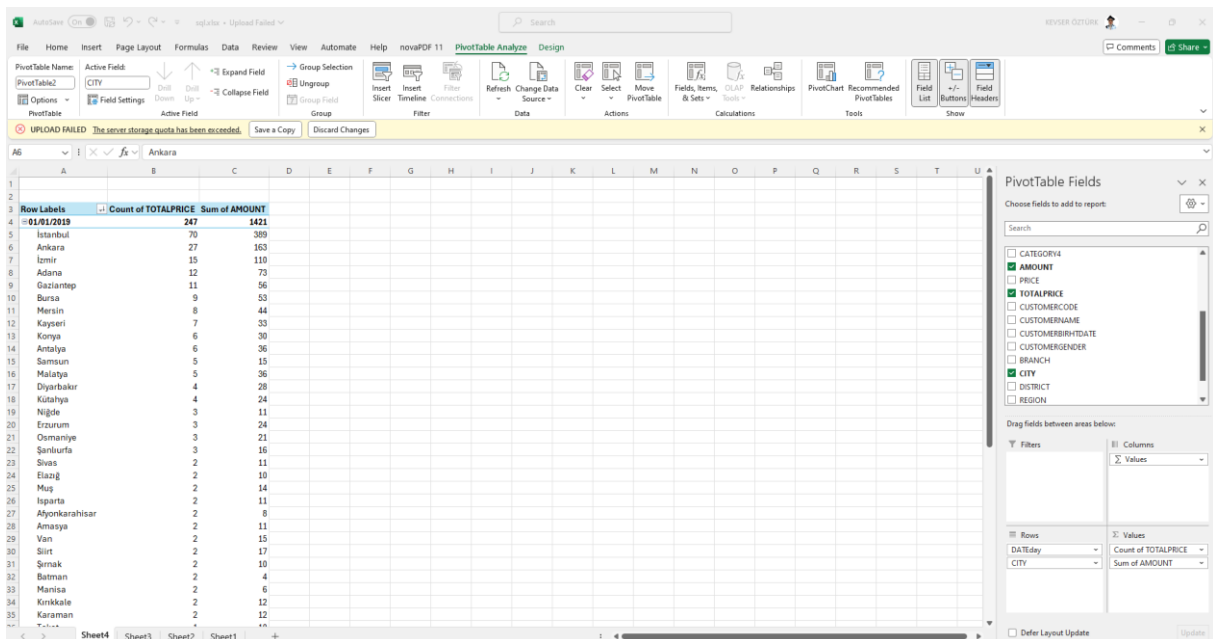
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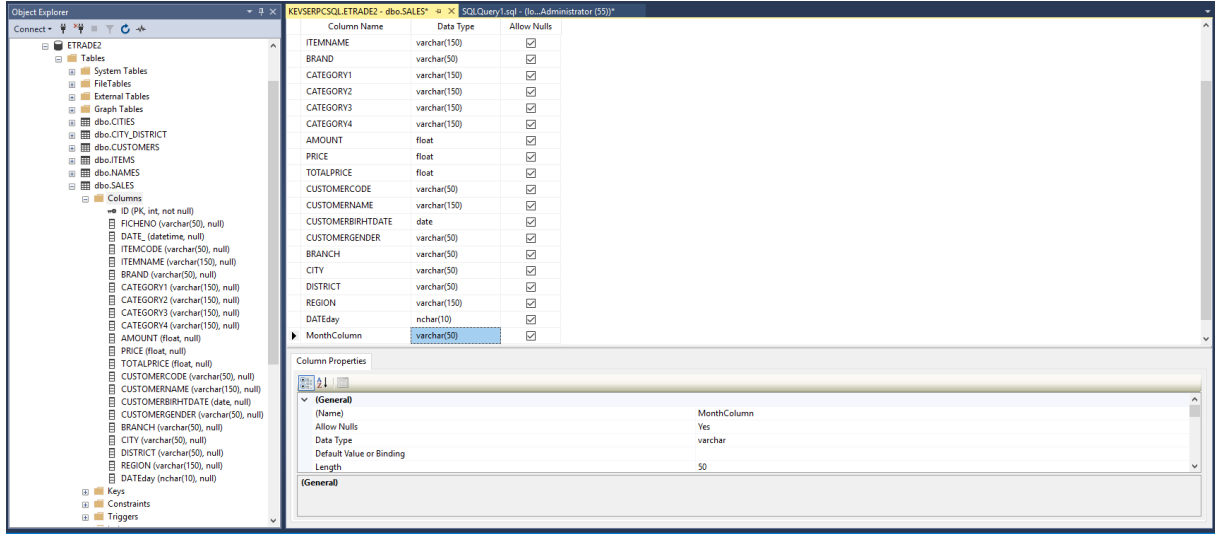
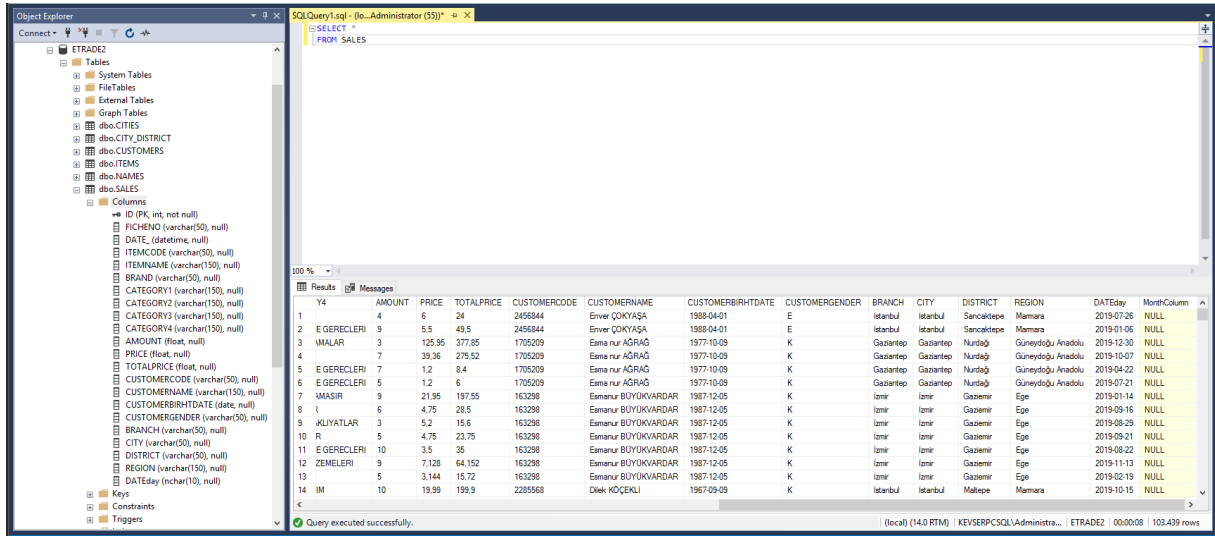
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296	43	19.10.0	9472	PENTI 15 DEN PENTI	EV	TEKSTIL-GIYIM-CORAPLAR	BAYAN CORAP	3	2,448	7,344	296093	Hamdi VURANLAR	10/04/1992 E	Adana	Yüreğir	Akdeniz			
828	152	17.14.0	7127	SAMUR S.BÖY KIRTASIYE EV	EV	KITAP-DERGI-K KIRTASIYE	KIRTASIYE GERİ	9	1.2	10.8	175944	Belinay ÇİFTİOĞLU	18/12/1979 K	İsparta	İsparta	Kocilorlu	Akdeniz		
849	137	08.47.0	13791	GARNİER SAFİ GARNİER	KOZMETİK	KİSSEL BAKIM	ÖLT BAKIM	1	68.97	68.97	2448973	Miray PAPİR	25/10/1969 E	İstanbul	İstanbul	Catalca	Marmara		
1474	283	12.23.0	2372	GÜSS SCHWAB GÜSS	KOZMETİK	DÜS-BANYO	SAMPUNLARI	9	19.9	179.1	1975467	Nasraddin ÖMERDİV	24/06/1960 K	Kütahya	Kütahya	Simav	Ege		
2400	475	32.02.0	17555	OYUNCAK KÜP OYUNCAK OYUNCAK	EV	ZEKA GELİSTİRİ OYUNCAKLAR	BEBE OYUNCAK	3	67.6	202.8	2384136	Azad ÇEKİCEL	19/02/1976 E	Kayseri	Kayseri	Akkaya	İç Anadolu		
2980	591	08.36.0	9699	ATOM BALON OYUNCAK OYUNCAK	EV	ZEKA GELİSTİRİ OYUNCAKLAR	BEBE OYUNCAK	2	1.9	3.8	2262993	Çağla ÖKMEGİL	18/11/1953 K	Şanlıurfa	Şanlıurfa	Berecik	Güneydoğu		
3348	668	16.42.0	26647	OYUNCAK KRI OYUNCAK OYUNCAK	EV	ZEKA GELİSTİRİ OYUNCAKLAR	BEBE OYUNCAK	6	14.45	86.7	601571	Remziye ALDASLI	03/12/1953 K	Malatya	Malatya	Malatya Meri Doğu Anadol			
4709	959	26.25.0	20441	GEZER 2029 H GEZER	EV	TEKSTİL-GIYIM-AYAKKABI-TERİ	AYAK GIYIM	10	36.2	362	2396492	Yıldız SUBAŞOĞLU	28/08/1981 K	Kayseri	Kayseri	Felahiye	İç Anadolu		
4835	964	36.04.0	4237	CİPŞO KEYAP CİPŞO	GIDA	BİRDÜM-CEREZ CİPŞ	CİPŞLER	6	2	12	1803469	Umit CANDELEN	01/11/1974 E	İstanbul	İstanbul	Sancaktepe	Marmara		
5087	1032	32.30.0	22587	PAKMAVA 26 C PAKMAVA	GIDA	UNLU MAMUL	PASTA MALZEME KABARTMA TOZ	2	1.3	2.6	1465840	Mehmet BERKMAN	27/07/1953 E	İstanbul	İstanbul	Fatih	Marmara		
5228	1057	44.15.0	8619	MESTON CİM I KARO	KARO	KARO	1. KALITE	7	35	245	609032	Makbule PUSULASI	18/10/1954 K	İstanbul	İstanbul	Sarıyer	Marmara		
6219	1248	44.09.0	11167	PRIMA A BABY PRIMA	BEBEK	BEBE MALZEME	COCUK BEZLER STANDART PAK	2	66.9	133.8	1502939	Utku ŞAHVERDİOĞLU	22/05/1954 E	Ankara	Ankara	Ayaz	İç Anadolu		
7914	1487	15.10.0	6695	TO.FI TA 1500 TOHTA	TEMİZLİK	TEMİZLİK GEREK AYAKKABI BAKI	SUNGER	8	2.99	23.92	663336	Niyazi TEKKANAT	31/03/1955 E	Aksaray	Aksaray	Güzelçiftlik	İç Anadolu		
7200	1449	04.13.0	4477	DOVE ROLL O DOVE	KOZMETİK	PARFUM-DEODORANTLU DEO	KARAVALLIK	2	22.9	45.8	1706372	Buysa ECZANESİ	24/05/1976 K	İstanbul	İstanbul	Zeytinburnu	Marmara		
7252	1460	40.38.0	3914	ALGIDA 750 M ALGIDA	SÜT	DONDURMA-Sİ	DONDURMALI KAPLI	5	7.5	37.5	1402336	Pazide BİRİGÜL	19/07/1995 K	Ankara	Ankara	Kalecik	İç Anadolu		
8469	1721	22.48.0	27822	OYUNCAK VAO OYUNCAK OYUNCAK	EV	ZEKA GELİSTİRİ OYUNCAKLAR	BEBE OYUNCAK	4	14.75	59	2214328	Osman BAYTAK	04/05/1993 E	Ankara	Ankara	Bala	İç Anadolu		
9260	1874	16.18.0	19392	PRF CALDION CALDION	KOZMETİK	PARFUM-DEODORANTLU DEO	PARFÜMLER	3	62.9	188.7	508296	Mehmet Emin AKOĞ	28/05/1991 E	İzmir	İzmir	Gaziemi	Ege		
10160	2049	37.16.0	2099	OLLETTE TRAC OLLETTE	KOZMETİK	KÜZ BAKIM	TIRAS MALZEME TIRAS KOPUKLU	3	4.896	14.688	2455794	Tuana ÖLÇÜR	25/02/1963 K	Kayseri	Kayseri	Sarıoğlu	İç Anadolu		
10346	2083	49.22.0	26134	NAMAHUR YER NAMAHUR	EV	TEKSTİL-GIYIM-CAMASIRLAR	BAYAN CAMASI	9	6.6	59.4	824884	Umut ŞİVRİ	29/09/1966 E	Gaziantep	Gaziantep	Karıkamış	Güneydoğu		
10408	2094	42.94.0	27374	FURKAN PILLI OYUNCAK OYUNCAK	EV	ZEKA GELİSTİRİ OYUNCAKLAR	BEBE OYUNCAK	3	8	24	1170605	Fatma nur BABAYİĞİ	12/07/1988 K	Karaman	Karaman	Başyayla	İç Anadolu		
10572	2132	23.00.0	12911	MİCRA FB VER KIRTASIYE EV	EV	KITAP-DERGI-K KIRTASIYE	KIRTASIYE GERİ	3	1.2	3.6	1579502	Mehmet Akif ERSU	18/04/1972 E	Mersin	Mersin	Yenişehir / F Akdeniz			
10746	2166	49.42.0	13417	MARLA TY-814 KIRTASIYE EV	EV	KITAP-DERGI-K KIRTASIYE	KIRTASIYE GERİ	7	1.25	8.75	2033299	Azad BAKAY	23/05/1950 E	İzmir	İzmir	Konak	Ege		
11436	2271	07.06.0	17441	DR OETIKER CF ORETIKER GIDA	EV	UNLU MAMUL	PASTA MALZEME PUDING	2	4.2	8.4	1596263	Berra UYUŞKAN	01/07/1951 K	İstanbul	İstanbul	Bağcılar	Marmara		
12155	2463	51.04.0	1942	BULUT LOKUM BULUT	SEKERLEME	SAKIZ-SEKERLE	SEKERLEME LOKUM	6	14.95	89.7	120231	Beril KIZILAN	01/05/1950 K	İzmir	İzmir	Sedirhisar	Ege		
13023	2648	57.21.0	1669	NT DEEP CLEA NEUTROG K OZMETIK	KİSSEL BAKIM	ÖLT BAKIM	TEMİZLEME JEL	5	29.9	149.5	154413	Ece YARENÇ	29/09/1956 K	Osmaniye	Osmaniye	Sumbas	Akdeniz		
13175	2675	30.52.0	16378	JOVI 12 RENK KIRTASIYE EV	EV	KITAP-DERGI-K KIRTASIYE	KIRTASIYE GERİ	7	1.2	8.4	1555839	Lina ALBAY	27/06/1962 K	Elazığ	Elazığ	Palu	Doğu Anadol		
13489	2736	49.42.0	13559	DEO ADIDAS RADIDAS	KOZMETİK	PARFUM-DEODORANTLU DEO	DEO	4	3.99	15.96	873448	Alparslan USKULU	10/12/1988 E	Karabük	Karabük	Övçelik / Kar Karadeniz			
15500	2747	46.10.0	13557	NESTLE NDCQ NESTLE	KAHVALTIK	KAHVALTIK O	KAHVALTIK O-SADE	5	6.39	31.95	4076203	Engin KUSAKLI	15/03/1984 E	Ankara	Ankara	Kızılçay	İç Anadolu		
13579	2763	28.48.0	25909	CIF JEL 750 ML CIF	DETERJAN	EV TEMİZLEME	YÜZÜ TEMİZLE SIVI	6	11.45	68.7	1301537	Mehmet Ali DEMİR	26/07/1997 E	Diyarbakır	Diyarbakır	Çınar	Güneydoğu		
14109	2862	15.31.0	6178	PROTEX 700 M PROTEX	KOZMETİK	DÜS-BANYO	SIVI-JEL SABUN SIVI	9	9.18	82.62	829074	Feride AĞANSOY	25/04/1965 K	Adana	Adana	Saimbeyli	Akdeniz		
14119	2864	16.04.0	22225	RAYTING TAHİ KIRTASIYE EV	EV	KITAP-DERGI-K KIRTASIYE	KIRTASIYE GERİ	9	1.2	10.8	1172184	Nazife TELİ	17/03/1966 K	Eskişehir	Eskişehir	Eskişehir M	İç Anadolu		
14154	2872	41.04.0	16381	MILAN 4024 Sİ KIRTASIYE EV	EV	KITAP-DERGI-K KIRTASIYE	KIRTASIYE GERİ	9	0.732	6.588	2224847	Hediye ALDIRMAZ	20/02/1956 K	Sırt	Sırt	Sınan	Güneydoğu		
14926	3023	34.16.0	6035	EKİSİ BÜDNE F EKİSİ	KAHVALTIK	SÜT YOGURT-F	PEYNİRLER	6	24.76	148.5	2002299	Ahlat ÖZGEN	13/04/1987 E	İstanbul	İstanbul	Küçükçekir	Marmara		
15103	3056	56.15.0	47	TURP JAPON TURP	YESİLİK	MALATYA MANA	MANAV	8	2.25	18	1412253	Selda OZAYGUN	21/07/1950 K	İstanbul	İstanbul	Ümraniye	Marmara		
15183	3074	41.58.0	4588	POWER RANG KIRTASIYE EV	EV	KITAP-DERGI-K KIRTASIYE	KIRTASIYE GERİ	9	1.2	10.8	1690959	Hilal DOĞANER	21/08/1993 K	Kırıkkale	Kırıkkale	Keskin	İç Anadolu		
16534	3355	22.54.0	13306	6 LİVAHİ HAY OYUNCAK OYUNCAK	EV	ZEKA GELİSTİRİ OYUNCAKLAR	BEBE OYUNCAK	4	6.5	26	1079472	Sena SANAYİ	13/12/1961 K	İstanbul	İstanbul	Bahçelievler	Marmara		

Row Labels	Count of TOTALPRICE	Sum of AMOUNT
01/01/2019	247	1421
Adana	12	73
Afyonkarahisar	2	8
Ağrı	1	3
Aksaray	1	8
Amasya	2	11
Ankara	27	163
Antalya	6	36
Batman	2	4
Bingöl	1	4
Bursa	9	53
Çanakkale	1	2
Çankırı	1	3
Diyarbakır	4	28
Elazığ	2	10
Erzurum	3	24
Eskişehir	1	9
Gaziantep	11	56
Hakkari	1	9
Hatay	1	3
İsparta	2	11
İstanbul	70	389
İzmir	15	110
Kahramanmaraş	1	10
Karabük	1	4
Karaman	2	12
Kars	1	4
Kayseri	7	33
Kırıkkale	2	12
Kırklareli	1	6
Konya	6	30
Kütahya	4	24
Malatya	5	36
Manisa	2	6

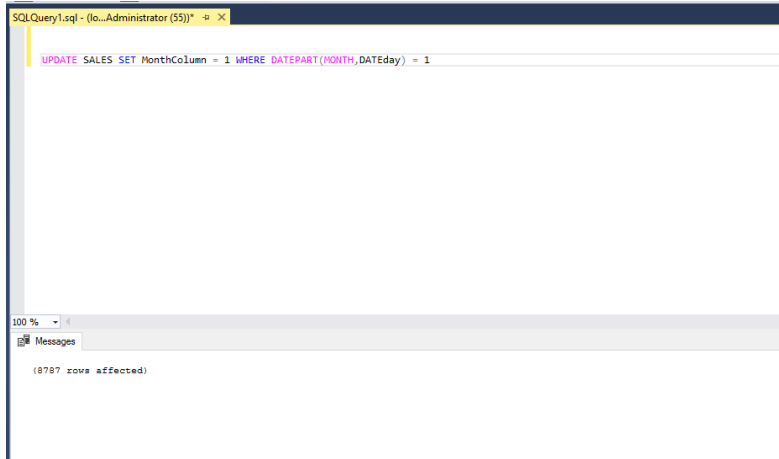




Örnek 3:

Mazağaların aylara göre satış rakamını getirmesi:

UPDATE SALES SET MonthColumn = 1 WHERE DATEPART(MONTH,DATEday) = 1



```
select *
from sales
```

100 %														
Results Messages														
	Y4	AMOUNT	PRICE	TOTALPRICE	CUSTOMERCODE	CUSTOMERNAME	CUSTOMERBIRHTDATE	CUSTOMERGENDER	BRANCH	CITY	DISTRICT	REGION	DATEday	MonthColumn
1		4	6	24	2456844	Enver ÇOKYAŞA	1988-04-01	E	Istanbul	Istanbul	Sancaktepe	Mamara	2019-07-26	NULL
2	E GERECLERI	9	5,5	49,5	2456844	Enver ÇOKYAŞA	1988-04-01	E	Istanbul	Istanbul	Sancaktepe	Mamara	2019-01-06	1
3	İMALAR	3	125,95	377,85	1705209	Esmenur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-12-30	NULL
4		7	39,36	275,52	1705209	Esmenur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-10-07	NULL
5	E GERECLERI	7	1,2	8,4	1705209	Esmenur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-04-22	NULL
6	E GERECLERI	5	1,2	6	1705209	Esmenur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-07-21	NULL
7	İMASIR	9	21,95	197,55	163298	Esmenur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazienir	Ege	2019-01-14	1
8	İ	6	4,75	28,5	163298	Esmenur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazienir	Ege	2019-09-16	NULL
9	İKLİYATLAR	3	5,2	15,6	163298	Esmenur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazienir	Ege	2019-08-29	NULL
10	R	5	4,75	23,75	163298	Esmenur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazienir	Ege	2019-09-21	NULL
11	E GERECLERI	10	3,5	35	163298	Esmenur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazienir	Ege	2019-08-22	NULL
12	ZEMELERİ	9	7,128	64,152	163298	Esmenur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazienir	Ege	2019-11-13	NULL
13		5	3,144	15,72	163298	Esmenur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazienir	Ege	2019-02-19	NULL
14	İM	10	19,99	199,9	2285568	Dilek KOÇEKLI	1967-09-09	K	Istanbul	Istanbul	Maltepe	Mamara	2019-10-15	NULL

```
UPDATE SALES SET MonthColumn = 1 WHERE DATEPART(MONTH,DATEday) = 1
UPDATE SALES SET MonthColumn = 2 WHERE DATEPART(MONTH,DATEday) = 2
UPDATE SALES SET MonthColumn = 3 WHERE DATEPART(MONTH,DATEday) = 3
UPDATE SALES SET MonthColumn = 4 WHERE DATEPART(MONTH,DATEday) = 4
UPDATE SALES SET MonthColumn = 5 WHERE DATEPART(MONTH,DATEday) = 5
UPDATE SALES SET MonthColumn = 6 WHERE DATEPART(MONTH,DATEday) = 6
UPDATE SALES SET MonthColumn = 7 WHERE DATEPART(MONTH,DATEday) = 7
UPDATE SALES SET MonthColumn = 8 WHERE DATEPART(MONTH,DATEday) = 8
UPDATE SALES SET MonthColumn = 9 WHERE DATEPART(MONTH,DATEday) = 9
UPDATE SALES SET MonthColumn = 10 WHERE DATEPART(MONTH,DATEday) = 10
UPDATE SALES SET MonthColumn = 11 WHERE DATEPART(MONTH,DATEday) = 11
UPDATE SALES SET MonthColumn = 12 WHERE DATEPART(MONTH,DATEday) = 12
```

SQLQuery1.sql - (Io...Administrator (55))

```

UPDATE SALES SET MonthColumn = 1 WHERE DATEPART(MONTH,DATEday) = 1
UPDATE SALES SET MonthColumn = 2 WHERE DATEPART(MONTH,DATEday) = 2
UPDATE SALES SET MonthColumn = 3 WHERE DATEPART(MONTH,DATEday) = 3
UPDATE SALES SET MonthColumn = 4 WHERE DATEPART(MONTH,DATEday) = 4
UPDATE SALES SET MonthColumn = 5 WHERE DATEPART(MONTH,DATEday) = 5
UPDATE SALES SET MonthColumn = 6 WHERE DATEPART(MONTH,DATEday) = 6
UPDATE SALES SET MonthColumn = 7 WHERE DATEPART(MONTH,DATEday) = 7
UPDATE SALES SET MonthColumn = 8 WHERE DATEPART(MONTH,DATEday) = 8
UPDATE SALES SET MonthColumn = 9 WHERE DATEPART(MONTH,DATEday) = 9
UPDATE SALES SET MonthColumn = 10 WHERE DATEPART(MONTH,DATEday) = 10
UPDATE SALES SET MonthColumn = 11 WHERE DATEPART(MONTH,DATEday) = 11
UPDATE SALES SET MonthColumn = 12 WHERE DATEPART(MONTH,DATEday) = 12

```

Messages

(8787 rows affected)

(7989 rows affected)

(8861 rows affected)

(8568 rows affected)

(8683 rows affected)

(8458 rows affected)

(8835 rows affected)

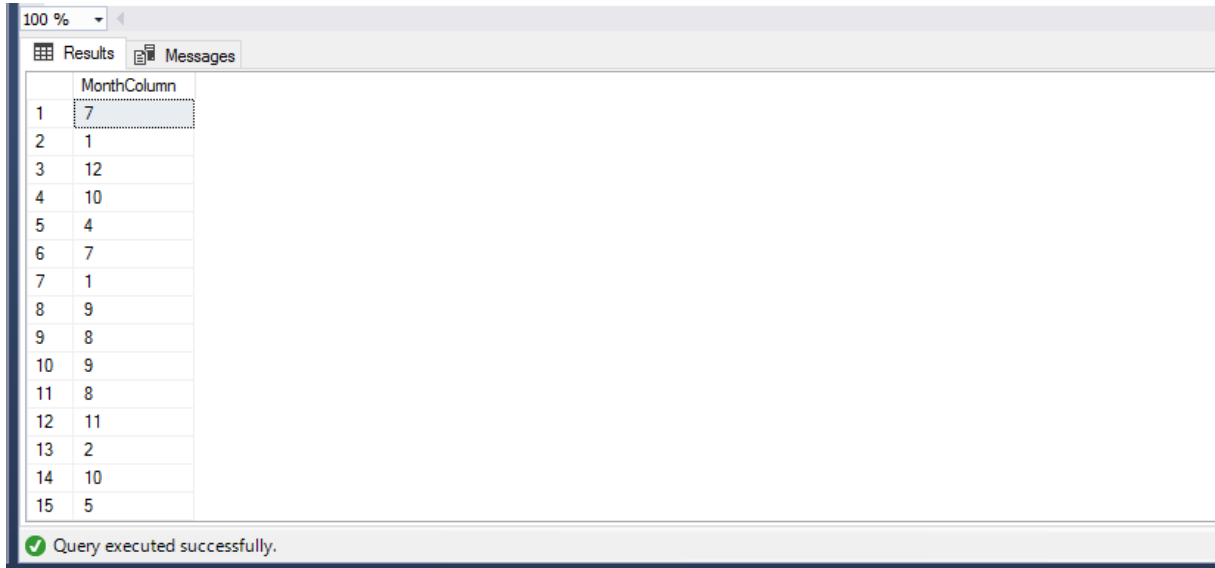
(8740 rows affected)

(8509 rows affected)

Query executed successfully.

(local) (14.0 RTM) | KEYSERPCSQL\Administra... | ETRADE2 | 00:00:00 | 0 rows

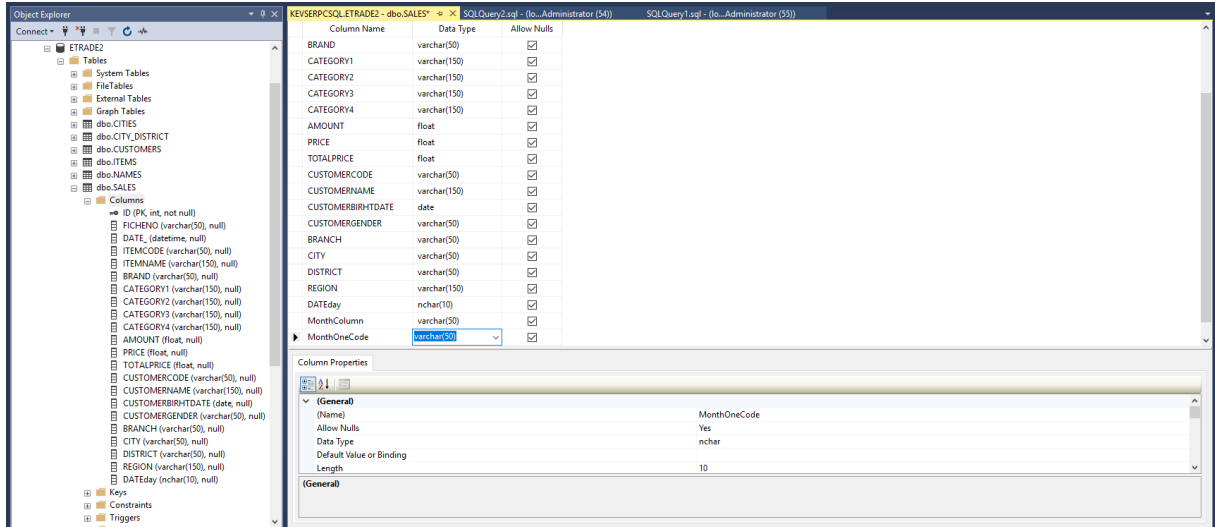
```
SELECT MonthColumn
FROM SALES
```



	MonthColumn
1	7
2	1
3	12
4	10
5	4
6	7
7	1
8	9
9	8
10	9
11	8
12	11
13	2
14	10
15	5

Query executed successfully.

- Fakat tüm ayları tek tek seçmek uğraştırıcı, o yüzden yeni bir kolon daha oluşturup tek UPDATE ile yapacağım ayları



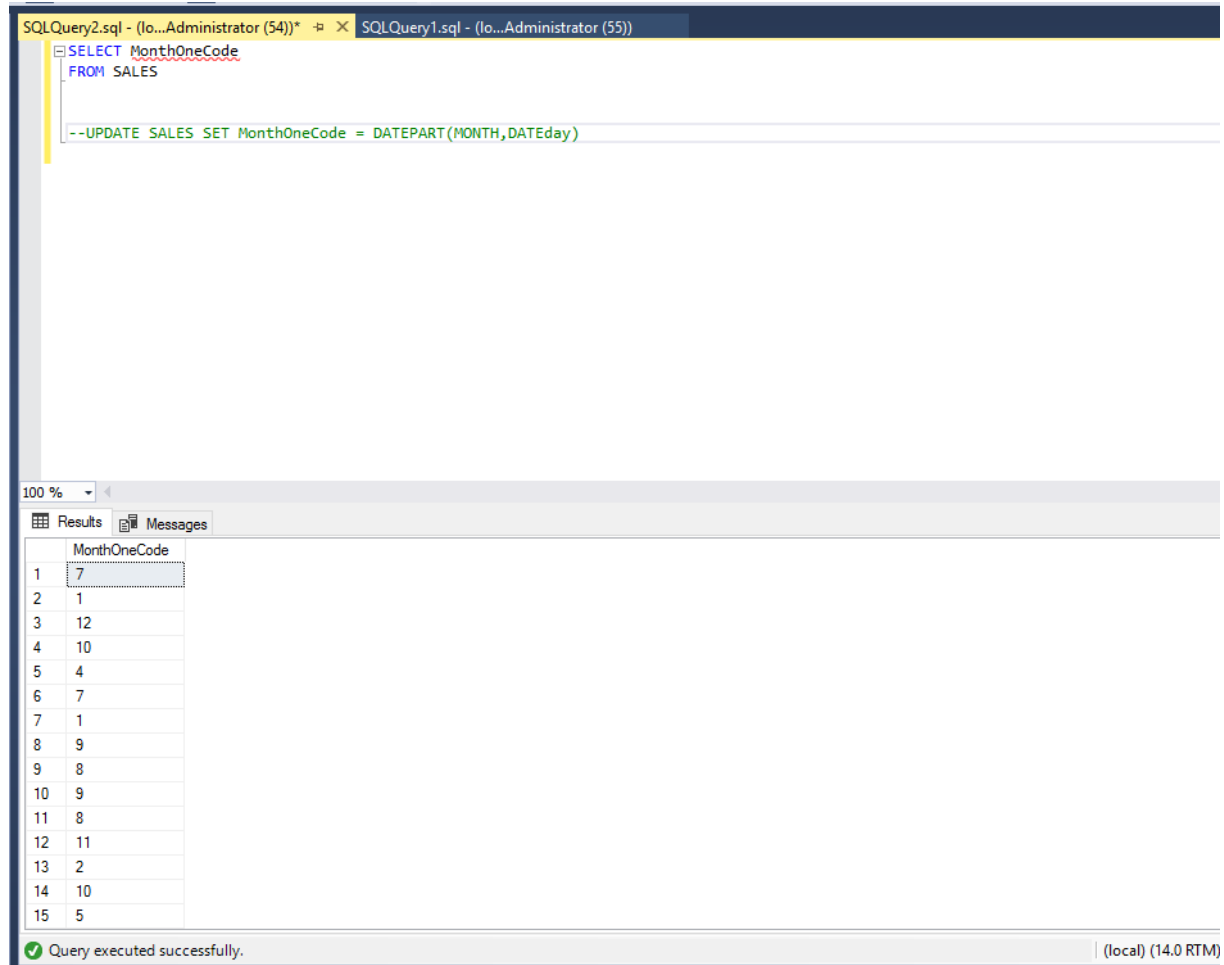
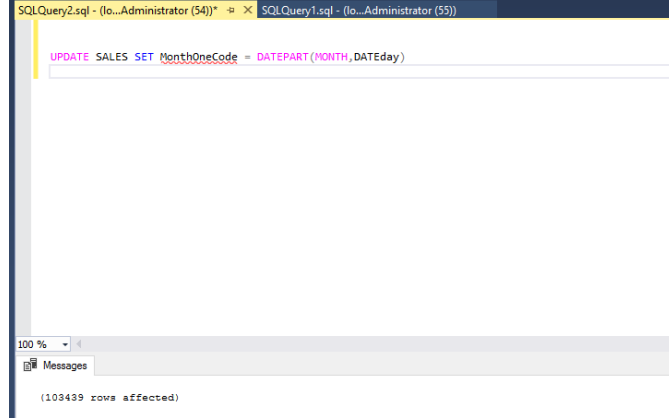
Column Name	Data Type	Allow Nulls
BRAND	varchar(50)	<input checked="" type="checkbox"/>
CATEGORY1	varchar(150)	<input checked="" type="checkbox"/>
CATEGORY2	varchar(150)	<input checked="" type="checkbox"/>
CATEGORY3	varchar(150)	<input checked="" type="checkbox"/>
CATEGORY4	varchar(150)	<input checked="" type="checkbox"/>
AMOUNT	float	<input checked="" type="checkbox"/>
PRICE	float	<input checked="" type="checkbox"/>
TOTALPRICE	float	<input checked="" type="checkbox"/>
CUSTOMERCODE	varchar(50)	<input checked="" type="checkbox"/>
CUSTOMERNAME	varchar(150)	<input checked="" type="checkbox"/>
CUSTOMERBIRTHDATE	date	<input checked="" type="checkbox"/>
CUSTOMERGENDER	varchar(50)	<input checked="" type="checkbox"/>
BRANCH	varchar(50)	<input checked="" type="checkbox"/>
CITY	varchar(50)	<input checked="" type="checkbox"/>
DISTRICT	varchar(50)	<input checked="" type="checkbox"/>
REGION	varchar(150)	<input checked="" type="checkbox"/>
DATEday	nchar(10)	<input checked="" type="checkbox"/>
MonthColumn	varchar(50)	<input checked="" type="checkbox"/>
MonthOneCode	varchar(50)	<input checked="" type="checkbox"/>

Column Properties

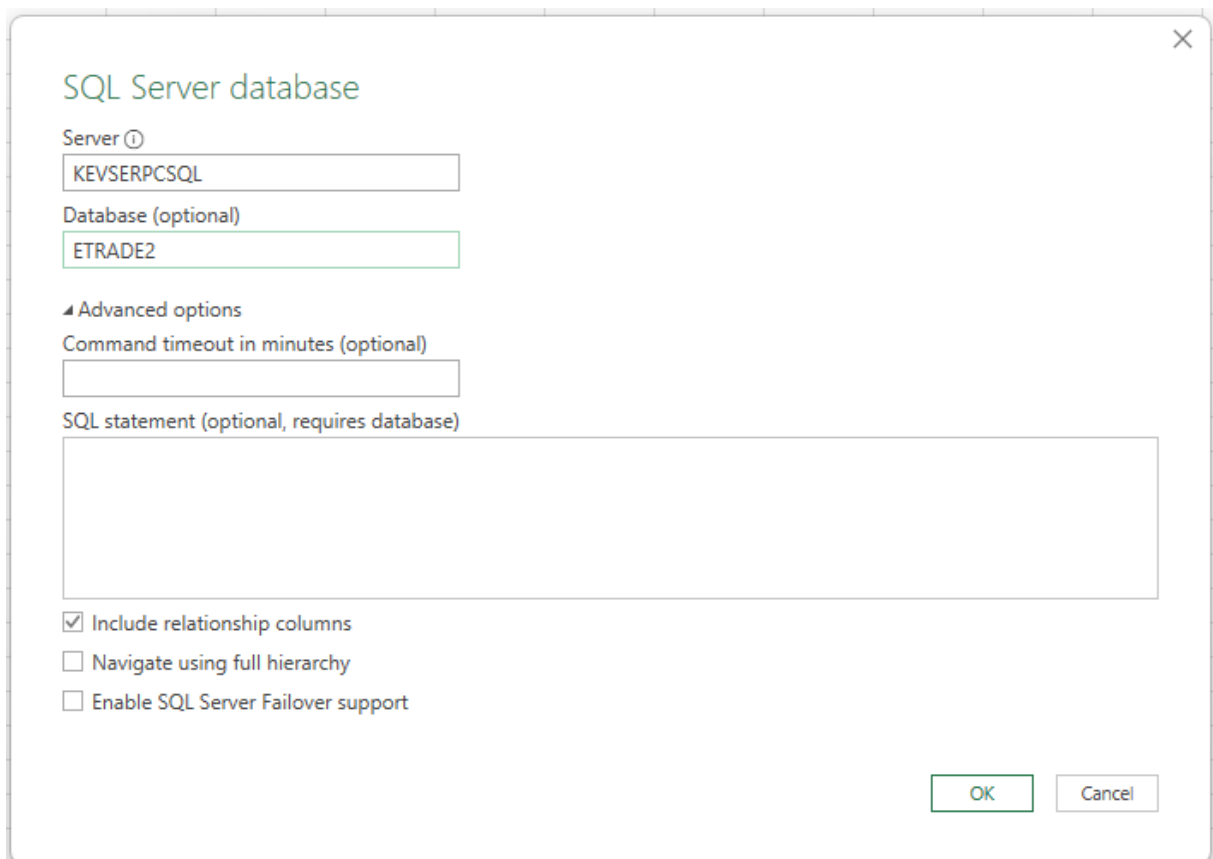
(General)

(Name)	MonthOneCode
Allow Nulls	Yes
Data Type	nchar
Default Value or Binding	
Length	10

UPDATE SALES SET MonthOneCode = DATEPART(MONTH,DATEday)



- Peki bu işlemi pivot table ile yapmak istersek, ama SQL Server üzerinden veri setimizi kopyalayıp excel içerisine yapıştırarak değil Excel uygulamasına veri bağlama işlemi yapacağız:



Windows

Database

Microsoft account

SQL Server database

kevserpcsql;ETRADE2

Use your Windows credentials to access this database.

☐ Use my current credentials

☒ Use alternate credentials

User name

SA

Password

••••••••

Select which level to apply these settings to

kevserpcsql

Back

Connect

Cancel

HATA !

ÖRNEK 4:

Ürün kategorilerine göre satış miktarlarını belirleme:

SQLQuery3.sql - (local)ETRADE2 (KEYSERPCSQL\Administrator (57)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

SQLQuery1.sql SQLQuery2.sql SQLQuery3.sql SQLQuery4.sql SQLQuery5.sql SQLQuery6.sql SQLQuery7.sql SQLQuery8.sql SQLQuery9.sql SQLQuery10.sql SQLQuery11.sql SQLQuery12.sql SQLQuery13.sql SQLQuery14.sql SQLQuery15.sql SQLQuery16.sql SQLQuery17.sql SQLQuery18.sql SQLQuery19.sql SQLQuery20.sql SQLQuery21.sql SQLQuery22.sql SQLQuery23.sql SQLQuery24.sql SQLQuery25.sql SQLQuery26.sql SQLQuery27.sql SQLQuery28.sql SQLQuery29.sql SQLQuery30.sql SQLQuery31.sql SQLQuery32.sql SQLQuery33.sql SQLQuery34.sql SQLQuery35.sql SQLQuery36.sql SQLQuery37.sql SQLQuery38.sql SQLQuery39.sql SQLQuery40.sql SQLQuery41.sql SQLQuery42.sql SQLQuery43.sql SQLQuery44.sql SQLQuery45.sql SQLQuery46.sql SQLQuery47.sql SQLQuery48.sql SQLQuery49.sql SQLQuery50.sql SQLQuery51.sql SQLQuery52.sql SQLQuery53.sql SQLQuery54.sql SQLQuery55.sql SQLQuery56.sql SQLQuery57.sql SQLQuery58.sql SQLQuery59.sql SQLQuery60.sql SQLQuery61.sql SQLQuery62.sql SQLQuery63.sql SQLQuery64.sql SQLQuery65.sql SQLQuery66.sql SQLQuery67.sql 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HATA ! Burada TotalPrice hem SELECT içinde hem de Aggregate function içerisinde 2 defa çağrıldı sanırım hata ondan kaynaklı:

```
SQLQuery3.sql - (lo...Administrator (57))* X SQLQuery2.sql - (lo...Administrator (54)) SQLQuery1.sql - (lo...Administrator (55))
SELECT CATEGORY1,CATEGORY2,CATEGORY3,CATEGORY4,TOTALPRICE,
SUM(TOTALPRICE)
FROM SALES
GROUP BY CATEGORY1,CATEGORY2,CATEGORY3,CATEGORY4
```

100 %

Messages

Msg 156, Level 15, State 1, Line 5
Incorrect syntax near the keyword 'FROM'.

```
SELECT CATEGORY1,CATEGORY2,CATEGORY3,CATEGORY4,
SUM(TOTALPRICE)
FROM SALES
GROUP BY CATEGORY1,CATEGORY2,CATEGORY3,CATEGORY4
ORDER BY CATEGORY1,CATEGORY2,CATEGORY3,CATEGORY4
```

100 %

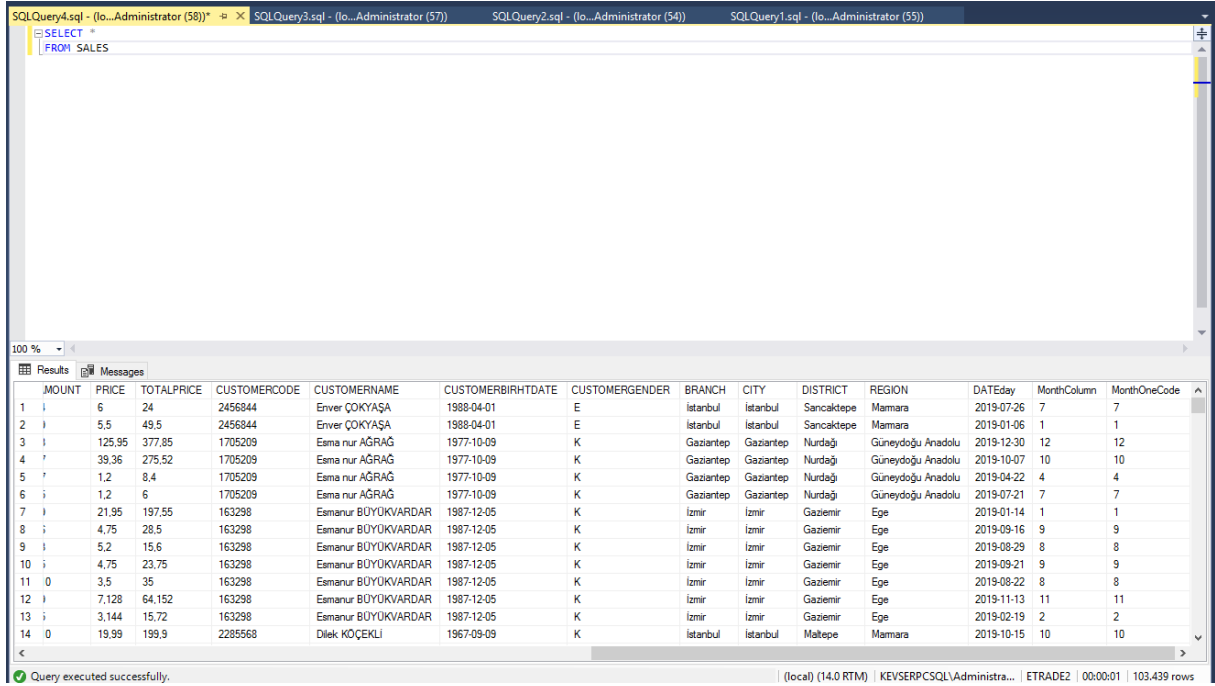
Results Messages

	CATEGORY1	CATEGORY2	CATEGORY3	CATEGORY4	(No column name)
1	BALIK	BEYAZ ETLER	TON BALIGI	DONUK	2374.896
2	BALIK	BEYAZ ETLER	TON BALIGI	KONSERVE	6538.288
3	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BAKIM ORTULERI	579.3
4	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BARDAK	2291.35
5	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BEBE SABUNLARI	304.2
6	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BEBE SAMPUANLARI	1798.7
7	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BEBEK BAKIM SETLERI	1057.86
8	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BEBEK DETERJAN	265.68
9	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BEBEK KREMLERI	3955.4
10	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BEBEK PUDRA	2139.15
11	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BEBEK YAGLARI	1921.64
12	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BESLENME	1589.5
13	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BIBERON	12486.73
14	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BIBERON UCU	275.5
15	BEBEK	BEBE MALZEMELERI	BEBEK BAKIM	BURUN ASPIRATORU	2131.2

Query executed successfully. (local) (14.0 RTM) | KEVSEPCSQL\Administra... | ETRADE2 | 00:00:00 | 786 rows

ÖRNEK 5:

Her markanın müşteri sayısını getirme (COUNT(CUSTOMERCODE)):

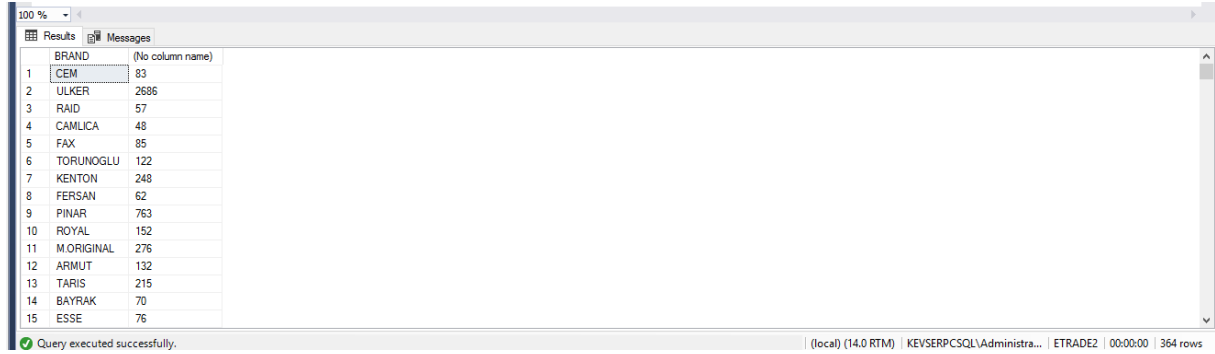


Query executed successfully. (local) (14.0 RTM) | KEVSEPCSQL\Administra... | ETRADE2 | 00:00:01 | 103,439 rows

1	2	3	4	5	6	7	8	9	10	11	12	13	14
OUNT	PRICE	TOTALPRICE	CUSTOMERCODE	CUSTOMERNAME	CUSTOMERBIRHTDATE	CUSTOMERGENDER	BRANCH	CITY	DISTRICT	REGION	DATEday	MonthColumn	MonthOneCode
1	6	24	2456844	Enver ÇOKYAŞA	1988-04-01	E	Istanbul	Istanbul	Sancaktepe	Marmara	2019-07-26	7	7
2	5,5	49,5	2456844	Enver ÇOKYAŞA	1988-04-01	E	Istanbul	Istanbul	Sancaktepe	Marmara	2019-01-06	1	1
3	125,95	377,85	1705209	Eema nur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-12-30	12	12
4	39,36	275,52	1705209	Eema nur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-10-07	10	10
5	1,2	8,4	1705209	Eema nur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-04-22	4	4
6	1,2	6	1705209	Eema nur AĞRAĞ	1977-10-09	K	Gaziantep	Gaziantep	Nurdağı	Güneydoğu Anadolu	2019-07-21	7	7
7	21,95	197,55	163298	Emanur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazimur	Ege	2019-01-14	1	1
8	4,75	28,5	163298	Emanur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazimur	Ege	2019-09-16	9	9
9	5,2	15,6	163298	Emanur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazimur	Ege	2019-08-29	8	8
10	4,75	23,75	163298	Emanur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazimur	Ege	2019-09-21	9	9
11	3,5	35	163298	Emanur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazimur	Ege	2019-08-22	8	8
12	7,128	64,152	163298	Emanur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazimur	Ege	2019-11-13	11	11
13	3,144	15,72	163298	Emanur BÜYÜKVARDAR	1987-12-05	K	Izmir	Izmir	Gazimur	Ege	2019-02-19	2	2
14	19,99	199,9	2285568	Dilek KÖÇEKLİ	1967-09-09	K	Istanbul	Istanbul	Maltepe	Marmara	2019-10-15	10	10

SELECT BRAND, COUNT(CUSTOMERCODE)
FROM SALES

GROUP BY BRAND



Query executed successfully. (local) (14.0 RTM) | KEVSEPCSQL\Administra... | ETRADE2 | 00:00:00 | 364 rows

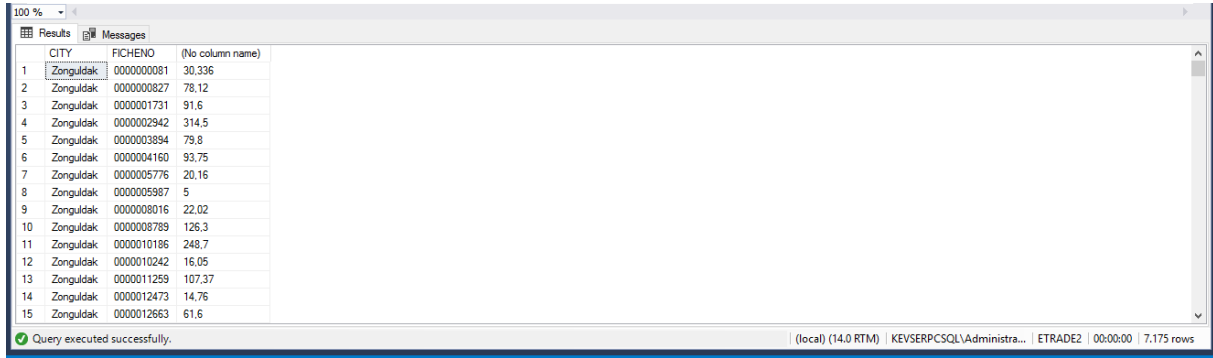
1	2
BRAND	(No column name)
CEM	83
ULKER	2686
RAID	57
CAMLICA	48
FAX	85
TORUNOGLU	122
KENTON	248
FERSAN	62
PINAR	763
ROYAL	152
M. ORIGINAL	276
ARMUT	132
TARIS	215
BAYRAK	70
ESSE	76

Görüyoruz ki 324 marka var ve her markanın müşteri sayısını bize unique olarak verecek olan şey müşterilen adı değil kodudur(CUSTOMERCODE), bu kodları saydırmak için de COUNT() fonksiyonunu kullanıyoruz.

ÖRNEK 6:

Belirli bir ayda tüm şehirlerdeki şubelerin satış toplam ücretlerini görmek:

```
SELECT CITY, FICHENO,  
  
SUM(TOTALPRICE)  
  
FROM SALES  
  
WHERE MonthOneCode = 5  
  
GROUP BY CITY, FICHENO  
ORDER BY CITY DESC
```



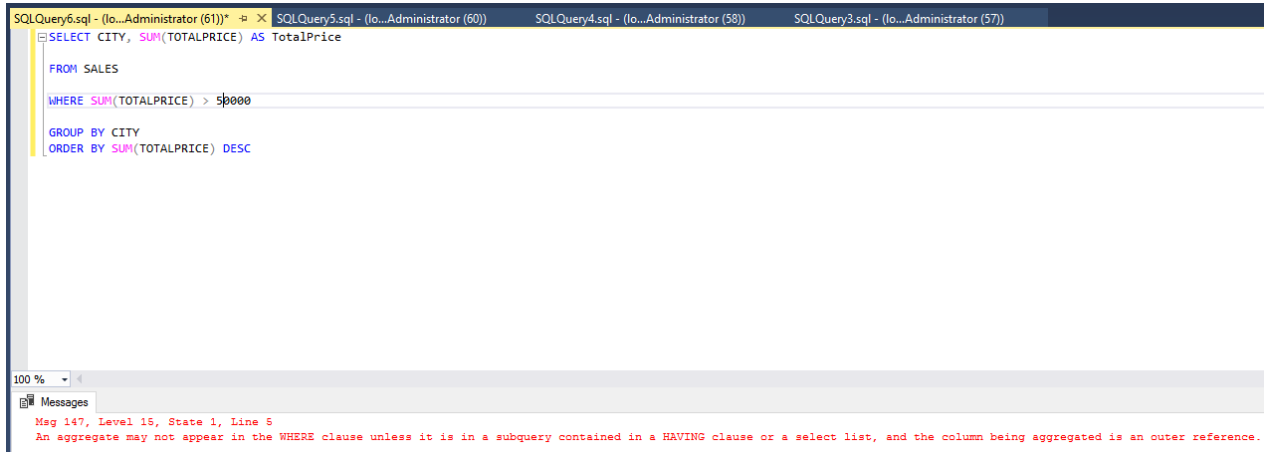
	CITY	FICHENO	(No column name)
1	Zonguldak	0000000081	30.336
2	Zonguldak	0000000827	78.12
3	Zonguldak	0000001731	91.6
4	Zonguldak	0000002942	314.5
5	Zonguldak	0000003894	79.8
6	Zonguldak	0000004160	93.75
7	Zonguldak	0000005776	20.16
8	Zonguldak	0000005987	5
9	Zonguldak	0000008016	22.02
10	Zonguldak	0000008789	126.3
11	Zonguldak	0000010186	248.7
12	Zonguldak	0000010242	16.05
13	Zonguldak	0000011259	107.37
14	Zonguldak	0000012473	14.76
15	Zonguldak	0000012663	61.6

Query executed successfully. (local) (14.0 RTM) | KEYSERPCSQL\Administra... | ETRADE2 | 00:00:00 | 7,175 rows

ÖRNEK 7:

Belirli bir toplam satış ücretinin üzerinde satış yapan mağaza şubelerini getirme:

HATA !



Msg 147, Level 15, State 1, Line 5

An aggregate may not appear in the WHERE clause unless it is in a subquery contained in a HAVING clause or a select list, and the column being aggregated is an outer reference.

Bu hatanın sebebi Aggregate fonksiyonlarının where şartı içerisinde kullanılamamasıdır. Yani bu kullanım hatalıdır: `WHERE SUM(TOTALPRICE) > 50000`

Bunun yerine Aggregate fonksiyonlarıyla şartlı işlem yapılacaksa HAVING komutu kullanılmalıdır.

HAVING fonksiyonu GROUP BY komutundan sonra kullanılmalıdır !!!

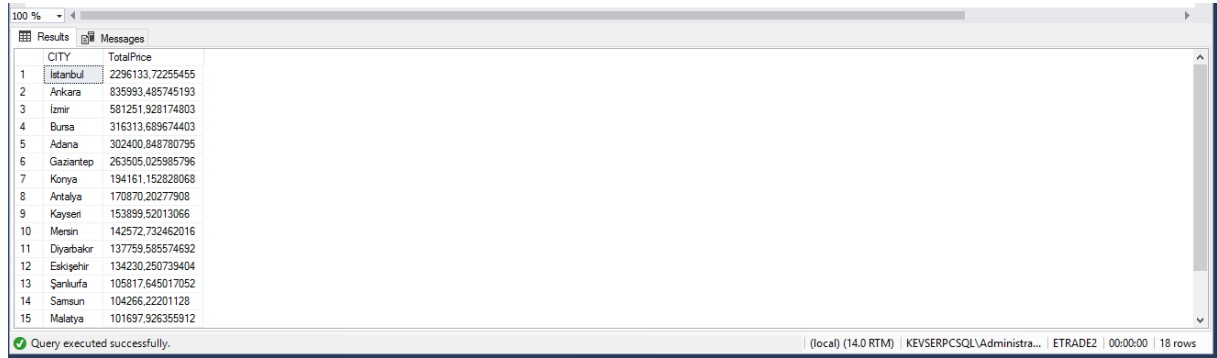
```
SELECT CITY, SUM(TOTALPRICE) AS TotalPrice
```

```
FROM SALES
```

```
GROUP BY CITY
```

```
HAVING SUM(TOTALPRICE) > 80000
```

```
ORDER BY SUM(TOTALPRICE) DESC
```



	CITY	TotalPrice
1	İstanbul	2296133,72255455
2	Ankara	835993,485745193
3	İzmir	581251,928174803
4	Bursa	316313,689674403
5	Adana	302400,848780795
6	Gaziantep	263505,025985796
7	Konya	194161,152828068
8	Antalya	170870,20277908
9	Kayseri	153899,52013066
10	Mersin	142572,732462016
11	Diyarbakır	137759,58574692
12	Eskişehir	134230,250739404
13	Şanlıurfa	105817,645017052
14	Samsun	104266,22201128
15	Malatya	101697,926355912

ÖRNEK 7:

Belirli bir ayda Erzurum ve Gümüşhane illeri için toplam cirosu 30000 aşan şehirleri ciroları ile birlikte bastır:

```
SELECT DISTINCT CITY,  
SUM(TOTALPRICE) AS TotalPrice
```

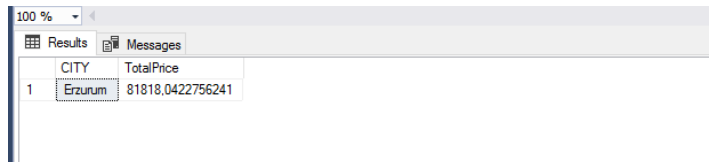
```
FROM SALES
```

```
WHERE CITY IN ('Erzurum', 'Gümüşhane')
```

```
GROUP BY CITY
```

```
HAVING SUM(TOTALPRICE) > 80000
```

```
ORDER BY CITY DESC
```



	CITY	TotalPrice
1	Erzurum	81818,0422756241

Örnek 6 ve 7 karşılaştırılırsa, Örnek 6 çıktısında bakılarak aslında 80000 ciro üzerinde yapan 18 şehir var fakat Örnek 7'de bu şehirler arasında Erzurum ve Gümüşhane varsa getir komutu çalıştırıldığında, sadece Erzurum'un olduğu görülüyor.

ÖRNEK 8:

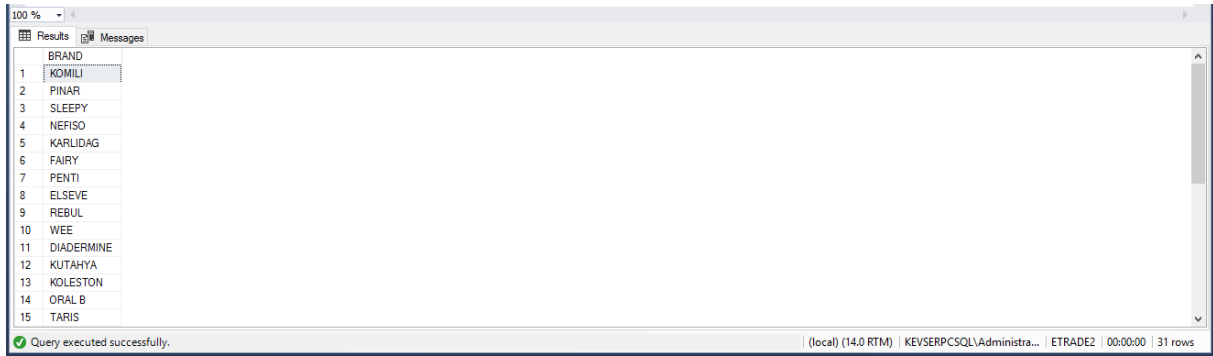
Belirli bir aydaki fiyat ortalaması 3000 ile 10000 arasında olan markaları bastır:

```
SELECT BRAND
FROM SALES
WHERE MonthOneCode= 12

GROUP BY BRAND

HAVING SUM(TOTALPRICE) BETWEEN 3000 AND 10000

ORDER BY SUM(TOTALPRICE)
```



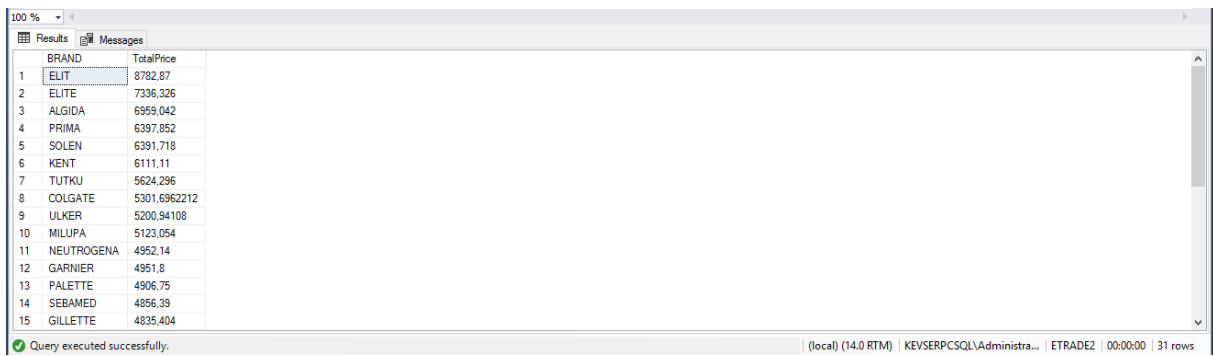
BRAND
1. KOMILI
2. PINAR
3. SLEEPY
4. NEFISO
5. KARLIDAG
6. FAIRY
7. PENTI
8. ELSEVE
9. REBUL
10. WEE
11. DIADERMINE
12. KUTAHYA
13. KOLESTON
14. ORAL B
15. TARIS

```
SELECT BRAND, SUM(TOTALPRICE) AS TotalPrice
FROM SALES
WHERE MonthOneCode= 12

GROUP BY BRAND

HAVING SUM(TOTALPRICE) BETWEEN 3000 AND 10000

ORDER BY SUM(TOTALPRICE) DESC
```



BRAND	TotalPrice
1. ELIT	8782.87
2. ELITE	7336.326
3. ALGIDA	6959.042
4. PRIMA	6397.852
5. SOLEN	6391.718
6. KENT	6111.11
7. TUTKU	5624.296
8. COLGATE	5301.6962212
9. ULLER	5200.94108
10. MILUPA	5123.054
11. NEUTROGENA	4952.14
12. GARNIER	4951.8
13. PALETTE	4906.75
14. SEBAMED	4856.39
15. GILLETTE	4835.404