

```
/* 1306150001 Yunus Emre Ak */  
/* ÖDEV 1: Veritabanı-SQL, Teslim tarihi: 16 Ekim Salı */  
/* Sade görünüm için hatalardan arındırılmıştır. */
```

```
/* Database oluşturma */
```

```
MariaDB [(none)]> CREATE DATABASE restoran;  
Query OK, 1 row affected (0.00 sec)
```

```
MariaDB [(none)]>  
MariaDB [(none)]> USE restoran;  
Database changed
```

```
MariaDB [restoran]> CREATE TABLE Musteri (  
-> mno int Primary Key,  
-> madi nvarchar(17),  
-> msoyadi nvarchar(17),  
-> mtelefon varchar(10)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

```
MariaDB [restoran]>  
MariaDB [restoran]> CREATE TABLE Yemek(  
-> yno int Primary Key,  
-> yadi nvarchar(17),  
-> ykalori int,  
-> yfiyati int,  
-> yturu nvarchar(17)  
-> );  
Query OK, 0 rows affected (0.03 sec)
```

```
MariaDB [restoran]>  
MariaDB [restoran]> CREATE TABLE Siparis(  
-> mno int not null,  
-> yno int not null,  
-> tarihsaat datetime,  
-> foreign key (mno) references Musteri(mno),  
-> foreign key (yno) references Yemek(yno)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

```
MariaDB [restoran]>  
MariaDB [restoran]> CREATE TABLE Malzeme(  
-> zno int Primary Key,  
-> zadi nvarchar(17),  
-> ztipi nvarchar(17)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

```
MariaDB [restoran]>  
MariaDB [restoran]> CREATE TABLE Kullan(  
-> yno int not null,  
-> zno int not null,  
-> miktar int,  
-> foreign key (yno) references Yemek(yno),  
-> foreign key (zno) references Malzeme(zno)
```

->);
Query OK, 0 rows affected (0.12 sec)

/* Veriler Eklendi */

MariaDB [restorant]> select * from Musteri;

	mno	madi	msoyadi	mtelefon
1	Yunus Emre	Ak	5308977689	
2	Ali	Kurt	1234567891	
3	Ayşe	Haydi	1234567892	
4	Fatma	Cifte	1234567893	
5	Hayriye	Telliye	1234567894	
6	Sarki	Sonu	1234567895	
7	Ac	Herif	1234567895	

7 rows in set (0.00 sec)

MariaDB [restorant]> select * from Yemek;

	yno	yadi	ykalori	yfiyati	yturu
1	Menemen	1560	7	Ana	ogun
2	Kebap	1430	20	Ana	Ogun
3	Doner	1300	15	Ana	Ogun
4	Kuru Fasulye	500	13	Ana	Ogun
5	Bulgur Pilavi	200	5	Ara	Ogun
6	Kadinbudu Kofte	1300	18	Ana	Ogun
7	Iskender	1560	19	Ana	Ogun
8	Corba	200	5	Ara	Ogun
9	Salata	100	7	Ara	Ogun

9 rows in set (0.01 sec)

MariaDB [restorant]> select * from siparis;

	mno	yno	tarihsaat
1	7	2017-05-17 17:17:17	
1	5	2017-05-17 17:17:19	
1	8	2017-05-17 17:17:20	
2	4	2017-05-19 19:19:19	
3	5	2017-05-17 17:17:19	
3	8	2017-05-17 17:17:19	
4	2	2017-05-17 17:19:17	
4	3	2017-05-17 17:19:17	
5	3	2017-05-17 19:17:17	
5	8	2017-05-17 19:17:17	
6	8	2017-05-17 19:17:19	
7	1	2017-05-17 19:17:19	
7	2	2017-05-17 19:17:19	
7	3	2017-05-17 19:17:19	
7	6	2017-05-17 19:17:19	
7	8	2017-05-17 19:17:19	
7	9	2017-05-17 19:17:19	

17 rows in set (0.00 sec)

MariaDB [restorant]> select * from malzeme;

zno	zadi	ztipi
1	Su	sevilen
2	Et	tip2
3	Kereviz	tip3
4	Sogan	tip4
5	Biber	tip5
6	Yogurt	tip2
7	Tereyagi	tip2
8	Patates	tip3
9	Fasulye	tip2
10	Bulgur	tip3
11	Yumurta	tip4
12	Kiyma	tip4
13	Ekmek	tip4
14	Maydanoz	tip4
15	Domates	tip4

15 rows in set (0.00 sec)

MariaDB [restorant]> select * from kullan;

yno	zno	miktar
1	15	100
1	1	100
1	4	100
1	5	100
1	14	100
1	7	100
1	11	100
2	15	150
2	13	150
2	9	150
2	3	150
2	8	150
2	7	150
3	2	69
3	5	69
3	15	69
3	9	69
3	4	69
3	12	69
4	1	30
4	9	30
5	12	460
5	10	460
5	3	460
5	6	460
6	10	360
6	11	360
6	15	360
6	12	360

7	1	260
7	9	260
7	4	260
7	7	260
8	1	160
8	4	160
8	2	160
8	3	160
8	15	160
9	3	160
9	1	160
9	15	160

41 rows in set (0.00 sec)

```

MariaDB [restorant]> /* Soru 1 */
MariaDB [restorant]>
MariaDB [restorant]> SELECT zadi as Malzeme FROM
-> malzeme, musteri, siparis, yemek, kullan WHERE
-> musteri.madi = 'Ali' AND
-> musteri.msoyadi='Kurt' AND
-> musteri.mno=siparis.mno AND
-> siparis.yno=yemek.yno AND
-> yemek.yno=kullan.yno AND
-> kullan.zno=malzeme.zno;

```

Malzeme
Su
Fasulye

2 rows in set (0.00 sec)

```

MariaDB [restorant]>
MariaDB [restorant]> /* Soru 2 */
MariaDB [restorant]>
MariaDB [restorant]> SELECT DISTINCT yemek.yno as Yemek_No, yadi as Adi, ykalori as Kalori, yfiyati as Fiyat, yturu
as Tur FROM
-> malzeme, kullan, yemek WHERE
-> malzeme.zno = kullan.zno AND
-> yemek.yno = kullan.yno AND
-> zadi NOT IN (
-> SELECT zadi FROM
-> yemek, malzeme, kullan WHERE
-> yadi='Kuru fasulye' AND
-> yemek.yno = kullan.yno AND
-> kullan.zno = malzeme.zno
-> );

```

Yemek_No	Adi	Kalori	Fiyat	Tur
1	Menemen	1560	7	Ana ogun
2	Kebap	1430	20	Ana Ogun
3	Doner	1300	15	Ana Ogun
5	Bulgur Pilavi	200	5	Ara Ogun
6	Kadinbudu Kofte	1300	18	Ana Ogun

7	Iskender	1560	19	Ana Ogun
8	Corba	200	5	Ara Ogun
9	Salata	100	7	Ara Ogun

+-----+-----+-----+-----+

8 rows in set (0.00 sec)

MariaDB [restorant]>

MariaDB [restorant]> /* Soru 3 */

MariaDB [restorant]>

MariaDB [restorant]> SELECT DISTINCT muster_i.mno as Musteri_No, madi as Adi, msoyadi as Soyadi, mtelefon as Telefon FROM

```
-> kullan, malzeme, yemek, muster_i, siparis WHERE
-> muster_i.mno = siparis.mno AND
-> siparis.yno = yemek.yno AND
-> yemek.yno = kullan.yno AND
-> kullan.zno = malzeme.zno AND
-> zadi='Domates' AND
-> yemek.yadi IN (
->     SELECT yemek.yadi FROM
->     kullan, malzeme, yemek WHERE
->     yemek.yno = kullan.yno AND
->     kullan.zno = malzeme.zno AND
->     zadi='Kereviz'
-> );
```

+-----+-----+-----+-----+

Musteri_No	Adi	Soyadi	Telefon
------------	-----	--------	---------

+-----+-----+-----+-----+

4	Fatma	Cifte	1234567893
7	Ac	Herif	1234567895
1	Yunus Emre	Ak	5308977689
3	Ayşe	Haydi	1234567892
5	Hayriye	Telliye	1234567894
6	Sarki	Sonu	1234567895

+-----+-----+-----+-----+

6 rows in set (0.00 sec)

MariaDB [restorant]>

MariaDB [restorant]> /* Soru 4 */

MariaDB [restorant]>

MariaDB [restorant]> SELECT DISTINCT muster_i.madi as Adi, muster_i.msoyadi as Soyadi FROM

```
-> yemek, siparis, muster_i WHERE
-> muster_i.mno = siparis.mno AND
-> siparis.yno = yemek.yno AND
-> yemek.yno IN (
->     SELECT yemek.yno FROM
->     yemek, malzeme, kullan WHERE
->     yemek.yno = kullan.yno AND
->     kullan.zno = malzeme.zno AND
->     zadi = 'Domates'
-> ) group by muster_i.madi HAVING
-> count(*) = (
->     SELECT count(*) FROM
->     yemek, malzeme, kullan WHERE
->     yemek.yno = kullan.yno AND
->     kullan.zno = malzeme.zno AND
->     zadi = 'Domates'
-> );
```

```

+-----+-----+
| Adi | Soyadi |
+-----+-----+
| Ac  | Herif  |
+-----+-----+

```

1 row in set (0.00 sec)

MariaDB [restorant]>

MariaDB [restorant]> /* Soru 5 */

MariaDB [restorant]>

MariaDB [restorant]> SELECT DISTINCT zadi as Malzeme, count(*) as Sayisi , AVG(miktar) as Ortalama FROM

-> malzeme, kullan, yemek WHERE

-> yemek.yno = kullan.yno AND

-> kullan.zno = malzeme.zno

-> group by zadi HAVING

-> count(*) >= 3;

```

+-----+-----+-----+
| Malzeme | Sayisi | Ortalama |
+-----+-----+-----+

```

```

| Domates | 6 | 166.5000 |
| Fasulye | 4 | 127.2500 |
| Kereviz | 4 | 232.5000 |
| Kiyma   | 3 | 296.3333 |
| Sogan   | 4 | 147.2500 |
| Su      | 5 | 142.0000 |
| Tereyagi | 3 | 170.0000 |

```

```

+-----+-----+-----+

```

7 rows in set (0.00 sec)