

# Basic Sql Practice - 3

CREATE TABLE sirketler

Query Query History

```
1 CREATE TABLE sirketler(  
2 sirket_id INT PRIMARY KEY,  
3 sirket_ismi VARCHAR(50),  
4 memur_sayisi INT  
5 );  
6 INSERT INTO sirketler(sirket_id,sirket_ismi,memur_sayisi)  
7 VALUES(100,'Nokia',1000),  
8 (101,'Iphone',900),  
9 (102,'Samsung',1200),  
10 (103,'xiaomi',1500);  
11  
12 select * from sirketler;  
13
```

Data Output Messages Notifications

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	100	Nokia	1000
2	101	Iphone	900
3	102	Samsung	1200
4	103	xiaomi	1500

**QUESTION 1:** Equalize the number of civil servants of Samsung to the highest civil servant number value.

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	100	Nokia	1000
2	101	Iphone	900
3	102	Samsung	1200
4	103	xiaomi	1500

Handwritten annotations: A blue arrow points from 'sirket\_ismi' to 'Samsung'. A red arrow points from 'Samsung' to a question mark. A blue arrow points from the question mark to '1500'. A bracket on the right groups the last three rows (Iphone, Samsung, xiaomi) and is labeled 'max'.

```

15 --soru 1 :Samsungun memurlar sayisini en yüksek memurlar sayisi degerine esitleyin
16 update sirketler set memur_sayisi=(select max(memur_sayisi) from sirketler) where sirket_ismi='Samsung';
17

```

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	100	Nokia	1000
2	101	Iphone	900
3	103	xiaomi	1500
4	102	Samsung	1500

**QUESTION 2:** Set the employee count value of Nokia company equal to 1.5 times the minimum employee count value.

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	100	Nokia	?
2	101	Iphone	900
3	103	xiaomi	1500
4	102	Samsung	1500

Handwritten notes: A blue arrow points from 'Nokia' to the question mark. A red bracket on the right groups the employee counts (900, 1500, 1500) with the text 'min x 1.5'.

```

21 --soru 2 :nokia sirketinin memurlar sayisi degerini en düşük memurlar sayisi degerinin 1.5 katina esitleyin
22 --subquery'si select min(memur_sayisi) from sirketler
23
24 update sirketler set memur_sayisi=(select min(memur_sayisi)*1.5 from sirketler) where sirket_ismi='Nokia';
25

```

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	101	Iphone	900
2	103	xiaomi	1500
3	102	Samsung	1500
4	100	Nokia	1350

**QUESTION 3:** Equalize the number of employees of iPhone to the total number of employees of Nokia and Xiaomi companies.

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	101	Iphone	?
2	103	xiaomi	1500
3	102	Samsung	1500
4	100	Nokia	1350

Handwritten notes: A red arrow points from 'Iphone' to the question mark. A blue bracket on the right groups the employee counts (1500, 1500, 1350) with a '+' sign, indicating a sum.

```

27 --soru 3 :Iphonenin memurlar sayisini nokia ve xiaomi sirketlerinin memurlar sayisinin toplamına eşitleyin
28 update sirketler set memur_sayisi=(select sum(memur_sayisi) from sirketler where sirket_ismi='Nokia' or sirket_ismi='xiaomi')
29 where sirket_ismi='Iphone';
30

```

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	103	xiaomi	1500
2	102	Samsung	1500
3	100	Nokia	1350
4	101	Iphone	2850

**QUESTION 4:** Increase the officer\_count values of officers that are lower than the average officer number value by 400.

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
1	103	xiaomi	1500
2	102	Samsung	1500
3	100	Nokia	1350
4	101	Iphone	2850

+400  
< avg

```

--soru 4 :Ortalama memurlar sayisi değerinden düşük olan memurlarin memur_sayisi değerlerini 400 artırın.

update sirketler set memur_sayisi=(memur_sayisi+400) where memur_sayisi <(select avg(memur_sayisi) from sirketler);
select * from sirketler;

```

	sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
	101	Iphone	2850
	103	xiaomi	1900
	102	Samsung	1900
	100	Nokia	1750

CREATE TABLE memurlar

```

CREATE TABLE memurlar (
    memurlar_id Int PRIMARY Key,
    ad VARCHAR(100),
    sehir VARCHAR(50),
    sirket_ismi VARCHAR(100),
    calisma_performanslari VARCHAR(255)
);

```

```

48 INSERT INTO memurlar (memurlar_id,ad, sehir, sirket_ismi, calisma_performanslari)
49 VALUES
50 (100,'Ali Yılmaz', 'Ankara', 'Samsung', 'Ortalama 67'),
51 (101,'Ayşe Demir', 'İstanbul', 'Iphone', 'Ortalama 72'),
52 (102,'Mehmet Kaya', 'İzmir', 'xiaomi', 'Ortalama 55'),
53 (103,'Ahmet Kısacık', 'Bursa', 'Nokia', 'Ortalama 98'),
54 (104,'Ahmet Kadir', 'Ankara', 'Nokia', 'Ortalama 92.5'),
55 (105,'Fatma Güzel', 'Giresun', 'Samsung', 'Ortalama 92.5'),
56 (106,'Furkan Yılmaz', 'İzmir', 'xiaomi', 'Ortalama 99');
57
58 select * from memurlar;
59

```

Data Output Messages Notifications

	memurlar_id [PK] integer	ad character varying (100)	sehir character varying (50)	sirket_ismi character varying (100)	calisma_performanslari character varying (255)
1	100	Ali Yılmaz	Ankara	Samsung	Ortalama 67
2	101	Ayşe Demir	İstanbul	Iphone	Ortalama 72
3	102	Mehmet Kaya	İzmir	xiaomi	Ortalama 55
4	103	Ahmet Kısacık	Bursa	Nokia	Ortalama 98
5	104	Ahmet Kadir	Ankara	Nokia	Ortalama 92.5
6	105	Fatma Güzel	Giresun	Samsung	Ortalama 92.5
7	106	Furkan Yılmaz	İzmir	xiaomi	Ortalama 99

**QUESTION 5:** List the names of companies with more than 2200 employees and the work performance of those working in these companies.

sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
101	Iphone	2850
103	xiaomi	1900
102	Samsung	1900
100	Nokia	1750

} > 2200

memurlar_id [PK] integer	ad character varying (100)	sehir character varying (50)	sirket_ismi character varying (100)	calisma_performanslari character varying (255)
100	Ali Yılmaz	Ankara	Samsung	Ortalama 67
101	Ayşe Demir	İstanbul	Iphone	Ortalama 72
102	Mehmet Kaya	İzmir	xiaomi	Ortalama 55
103	Ahmet Kısacık	Bursa	Nokia	Ortalama 98
104	Ahmet Kadir	Ankara	Nokia	Ortalama 92.5
105	Fatma Güzel	Giresun	Samsung	Ortalama 92.5
106	Furkan Yılmaz	İzmir	xiaomi	Ortalama 99

```
-- SORU5: memurlar sayisi 2200'den cok olan sirketlerin ve
--bu sirkette calisanlarin isimlerini ve calisma performanslarini listeleyin.

select ad, calisma_performanslari from memurlar
where sirket_ismi in (select sirket_ismi from sirketler where memur_sayisi > 2200);
```

Output Messages Notifications

ad	calisma_performanslari
character varying (100)	character varying (255)
Ayşe Demir	Ortalama 72

**QUESTION 6:** List the company IDs and the number of officers of the companies that have officers in Ankara.

sirket_id	sirket_ismi	memur_sayisi
[PK] integer	character varying (50)	integer
101	Iphone	2850
103	xiaomi	1900
102	Samsung	1900
100	Nokia	1750

  

memurlar_id	ad	sehir	sirket_ismi	calisma_performanslari
[PK] integer	character varying (100)	character varying (50)	character varying (100)	character varying (255)
100	Ali Yılmaz	Ankara	Samsung	Ortalama 67
101	Ayşe Demir	İstanbul	Iphone	Ortalama 72
102	Mehmet Kaya	İzmir	xiaomi	Ortalama 55
103	Ahmet Kısacık	Bursa	Nokia	Ortalama 98
104	Ahmet Kadir	Ankara	Nokia	Ortalama 92.5
105	Fatma Güzel	Giresun	Samsung	Ortalama 92.5
106	Furkan Yılmaz	İzmir	xiaomi	Ortalama 99

```
-- SORU6: Ankara'da memurlari olan sirketlerin |
--sirket id'lerini ve memurlar sayilarini listeleyiniz
select sirket_id, memur_sayisi from sirketler where sirket_ismi in (select sirket_ismi from memurlar where sehir='Ankara');
```

Output Messages Notifications

sirket_id	memur_sayisi
[PK] integer	integer
102	1900
100	1750

**Question 7:** If there is even one civil servant in Giresun, write down all the companies.

```
--Soru 7: eger giresunda bir tane bile memur varsa tum sirketleri yazdirin
select * from sirketler where exists(select sirket_ismi from memurlar where sehir='Giresun');
```

Output Messages Notifications

sirket_id [PK] integer	sirket_ismi character varying (50)	memur_sayisi integer
101	Iphone	2850
103	xiaomi	1900
102	Samsung	1900
100	Nokia	1750

**drop table memurlar;**

**create table memurlar**

```
create table memurlar(
  memur_id int PRIMARY key,
  memur_isim VARCHAR(50),
  memur_maas int
);
Insert into memurlar VALUES(1,'çiğdem',100000);
INSERT into memurlar VALUES(2,'Duygu',150000);
Insert into memurlar values(3,'Aykut',110000);
INSERT into memurlar values(4,'Sıla');
select * from memurlar;
```

ta Output Messages Notifications

memur_id [PK] integer	memur_isim character varying (50)	memur_maas integer
1	çiğdem	100000
2	Duygu	150000
3	Aykut	110000
4	Sıla	[null]

**QUESTION 8: LET'S ASSIGN A SALARY VALUE TO MS. SILA**

```

13 --Soru8:sila hanima maas degeri atamasi yapalim
14 update memurlar set memur_maas=125000 where memur_isim='Sıla';
15

```

Data Output Messages Notifications

	memur_id [PK] integer	memur_isim character varying (50)	memur_maas integer
1	1	çiğdem	100000
2	2	Duygu	150000
3	3	Aykut	110000
4	4	Sıla	125000

**QUESTION 9:** List the records with the lowest and highest salary values.

```

--Soru9:En dusuk veya en yuksek maas degerlerinin oldugu kayıtları listeleyin
select * from memurlar where memur_maas =(select max(memur_maas) from memurlar) or memur_maas=(select min(memur_maas)from memurlar);

```

Output Messages Notifications

memur_id [PK] integer	memur_isim character varying (50)	memur_maas integer
1	çiğdem	100000
2	Duygu	150000

**QUESTION 10:** Let's set Mr. Aykut's salary equal to the highest salary.

```

--Soru10:aykut bey'in maasini en yuksek maasa esitleyelim
update memurlar set memur_maas=(select max(memur_maas)from memurlar)where memur_isim='Aykut';

```

Output Messages Notifications

memur_id [PK] integer	memur_isim character varying (50)	memur_maas integer
1	çiğdem	100000
2	Duygu	150000
3	Aykut	150000
4	Sıla	125000