

1 . Create a table emp with following field eid,ename,did,salary

Create a table dept with field did and dname

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
5 insert into emp(eid,ename,did,salary)values(33,'Thasni',200,67405);
6 insert into emp(eid,ename,did,salary)values(47,'Ansala',600,24202);
7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select * from emp;
14 select * from dept;
```

eid	ename	did	salary
42	Sajana	100	7800
22	Dhiana	400	56000
33	Thasni	200	67405
47	Ansala	600	24202
56	Ashitha	800	45000

did	dname
200	finance
100	Operating
100	Operating
400	Marketing
600	Production

2 . Find out the no of employee in company

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
5 insert into emp(eid,ename,did,salary)values(33,'Thasni',200,67405);
6 insert into emp(eid,ename,did,salary)values(47,'Ansala',600,24202);
7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select count(*) from emp;
```

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```
count(*)
5
```

3 . Find out the total salary of all department

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
5 insert into emp(eid,ename,did,salary)values(33,'Thasni',200,67405);
6 insert into emp(eid,ename,did,salary)values(47,'Ansala',600,24202);
7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select did,sum(salary)from emp group by did;
```

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did	sum(salary)
100	7800
400	56000
200	67405
600	24202

4. Find out the total salary of dept with did=100

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
5 insert into emp(eid,ename,did,salary)values(33,'Thasni',200,67405);
6 insert into emp(eid,ename,did,salary)values(47,'Ansala',600,24202);
7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select sum(salary)from emp where did=100;
```

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MySQL books

Output Input Comments 0

sum(salary)
7800

5. Find out the average salary of all department

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
5 insert into emp(eid,ename,did,salary)values(33,'Thasni',200,67405);
6 insert into emp(eid,ename,did,salary)values(47,'Ansala',600,24202);
7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select did,avg(salary)as avg_salary from emp group by did;
```

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did	avg_salary
100	7800.0000
400	56000.0000
200	67405.0000
600	24202.0000

6. Find out the minimum salary of the department

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
5 insert into emp(eid,ename,did,salary)values(33,'Thasni',200,67405);
6 insert into emp(eid,ename,did,salary)values(47,'Ansala',600,24202);
7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select did,min(salary)as min_salay from emp group by did;
```

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Output Input Comments 0

did	min_salay
100	7800
400	56000
200	67405
600	24202

7. Find out the maximum salary of the department

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
5 insert into emp(eid,ename,did,salary)values(33,'Thasni',200,67405);
6 insert into emp(eid,ename,did,salary)values(47,'Ansala',600,24202);
7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select did,max(salary)as max_salay from emp group by did;
```

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did	max_salay
100	7800
400	56000
200	67405
600	24202

8 . Find out the no of employee in each department

```
1 create table emp(eid int(20) not null,ename varchar(30),did int(20),salary int(30),primary key(eid));
2 create table dept(did int(20) not null,dname varchar(50),foreign key(did) references emp(did));
3 insert into emp(eid,ename,did,salary)values(42,'Sajana',100,7800);
4 insert into emp(eid,ename,did,salary)values(22,'Dhiana',400,56000);
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7 insert into emp(eid,ename,did,salary)values(56,'Ashitha',800,45000);
8 insert into dept(did,dname)values(200,'finance');
9 insert into dept(did,dname)values(100,'Operating');
10 insert into dept(did,dname)values(100,'Operating');
11 insert into dept(did,dname)values(400,'Marketing');
12 insert into dept(did,dname)values(600,'Production');
13 select did,count(*)as no_of_emp from dept group by did;
```

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did	no_of_emp
100	2
200	1
400	1
600	1