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EmployeeDetails table creation

```
create table EmployeeDetails (Empid int, Fullname varchar(30), project varchar(20), mid int);
```

o/p CREATE TABLE

Inserting value in it.

```
insert into EmployeeDetails (Empid, Fullname,project,mid) values(101, 'shreya kumari','p1',101), (102, 'puja agrawal', 'p2',103),(103, 'rishab','p1',101);
```

o/p INSERT 0 3

Q1) select Empid, Fullname from EmployeeDetails where mid = 101;

o/p

```
bajaj=# select Empid, Fullname from EmployeeDetails where mid = 101;
 empid |  fullname
-----+-----
    101 | shreya kumari
    103 | rishab
(2 rows)
```

Q2) select count(Empid) from EmployeeDetails where project = 'p1';

o/p

```
bajaj=# select count(Empid) from EmployeeDetails where project = 'p1';
 count
-----
      2
(1 row)
```

Some prerequisite

```
bajaj=# alter table EmployeeDetails add primary key(Empid);
ALTER TABLE
bajaj=# create table EmployeeSalary (Empid int, salary int);
CREATE TABLE
bajaj=# insert into EmployeeSalary (Empid,salary) values(101,11000),(102,12000),(103,15000);
INSERT 0 3
```

Q3)

select max(salary) from EmployeeSalary;

```
bajaj=# select max(salary) from EmployeeSalary;
      max
-----
 15000
(1 row)
```

select min(salary) from EmployeeSalary;

```
bajaj=# select min(salary) from EmployeeSalary;
      min
-----
 11000
(1 row)
```

select avg(salary) from EmployeeSalary;

```
bajaj=# select avg(salary) from EmployeeSalary;
      avg
-----
12666.6666666666666667
(1 row)
```

Q4)

select Empid from EmployeeSalary where salary between 10000 and 15000;

```
bajaj=# select Empid from EmployeeSalary where salary between 10000 and 15000;
      empid
-----
      101
      102
      103
(3 rows)
```

Q5) select Empid, (salary + varValue) as totalSalary from EmployeeSalary;

```
bajaj=# select Empid, (salary + varValue) as totalSalary from EmployeeSalary;
empid | totalsalary
-----+-----
  101 |      12500
  102 |      13500
  103 |      16500
(3 rows)
```

Q6) select EmployeeDetails.Empid from EmployeeDetails, EmployeeSalary where EmployeeDetails.Empid = EmployeeSalary.Empid;

```
bajaj=# select EmployeeDetails.Empid from EmployeeDetails, EmployeeSalary where EmployeeDetails.Empid =
EmployeeSalary.Empid;
empid
-----
  101
  102
  103
(3 rows)

bajaj=# alter table EmployeeDetails add city varchar(20);
```

Q7) update EmployeeDetails set Fullname = upper(Fullname);

update EmployeeDetails set city = lower(city);

```
UPDATE 3
bajaj=# select * from EmployeeDetails;
empid |  fullname  | project | mid | city
-----+-----+-----+----+----
  101 | SHREYA KUMARI | p1      | 101 | delhi
  102 | PUJA AGRAWAL  | p2      | 103 | delhi
  103 | RISHAB       | p1      | 101 | delhi
(3 rows)
```

Q8)

select count(project) from EmployeeDetails group by project order by count(project) desc;

```
bajaj=# select count(project) from EmployeeDetails group by project order by count(project) desc;
count
-----
     2
     1
(2 rows)
```

Q9)

Don't know

Q10)

select max(salary) from EmployeeSalary where salary not in (select max(salary) from EmployeeSalary where salary not in (select max(salary) from EmployeeSalary));

```
bajaj=# select max(salary) from EmployeeSalary where salary not in (select max(salary) from EmployeeSalary where salary not in (select max(salary) from EmployeeSalary));
      max
-----
 15000
(1 row)
```