

Subham Kedia

Create table -

```
create table EmployeeDetails(empid int, empname varchar(10) not null,city varchar(20) not null,manid int,projectid varchar(3), primary key(empid));
```

```
bajaj=# select * from EmployeeDetails;
 empid | empname | city | manid | projectid 
-----+-----+-----+-----+-----
(0 rows)
```

Insert Data -

```
insert into EmployeeDetails(empid,empname,city,manid,projectid)
Values(1,'Subham','Kolkata',101,'P1'),(2,'Shreya','Kolkata',102,'P2'),(3,'Naman','Delhi',103,'P1');
```

```
insert into EmployeeDetails(empid,fullname,city,manid,projectid)
Values(4,'Rohan','Pune',101,'P3');
```

```
bajaj=# select * from employeeDetails;
 empid | fullname | city | manid | projectid 
-----+-----+-----+-----+-----
      1 | Subham   | Kolkata | 101 | P1
      2 | Shreya   | Kolkata | 102 | P2
      3 | Naman    | Delhi  | 103 | P1
      4 | Rohan    | Pune   | 101 | P3
(4 rows)
```

Query 1 -

```
select empid,fullname from EmployeeDetails where manid = 101;
```

```
bajaj=# select empid,fullname from EmployeeDetails where manid = 101;
 empid | fullname 
-----+-----
      1 | Subham
      4 | Rohan
(2 rows)
```

Query 2 -

```
bajaj=# select count(empid) from employeeetails where projectid = 'P1';
count
-----
      2
(1 row)
```

Query 3 -

create table EmployeeSalary(empid int not null, salary int not null, variable int);

```
CREATE TABLE
bajaj=# select * from EmployeeSalary;
 empid | salary | variable 
-----+-----+-----
(0 rows)
```

insert into EmployeeSalary(empid,salary,variable)  
values(1,20000,20),(2,30000,20),(4,15000,20);

```
bajaj=# select * from EmployeeSalary;
 empid | salary | variable 
-----+-----+-----
      1 | 20000 |        20
      2 | 30000 |        20
      4 | 15000 |        20
(3 rows)
```

```
bajaj=# select max(salary) as Max_Salary, min(salary) as Min_Salary, avg(salary) as Avg_Salary from employeesalary;
max_salary | min_salary | avg_salary 
-----+-----+-----
      30000 |       15000 | 21666.6666666667
(1 row)
```

Query 4 -

```
bajaj=# select empid from employeesalary where salary between 10000 and 15000;
 empid 
-----
      4
(1 row)
```

Query 5 -

```
bajaj=# select empid, (salary+(salary*variable/100)) as Total_Salary from employeesalary;
 empid | total_salary 
-----+-----
      1 |          24000
      2 |          36000
      4 |          18000
(3 rows)
```

Query 6-

```
bajaj=# select empid from employeeedetails where empid in (select empid from employeesalary);
 empid 
-----
      1
      2
      4
(3 rows)
```

Query 7 -

```
bajaj=# select upper(fullname),lower(city) from employeeedetails;
 upper | lower 
-----+-----
 SUBHAM | kolkata
 SHREYA | kolkata
 NAMAN  | delhi
 ROHAN  | pune
(4 rows)
```

Query 8 -

```
bajaj=# select count(empid) as Project_wise_count,projectid from employeeedetails group by projectid order by project_wis
e_count desc;
 project_wise_count | projectid 
-----+-----
                2 | P1
                1 | P2
                1 | P3
(3 rows)
```

Query 9 -

```
bajaj=# select * from employeeedetails where empid%2!=0;
 empid | fullname | city   | manid | projectid 
-----+-----+-----+-----+-----
      1 | Subham   | Kolkata |    101 | P1
      3 | Naman    | Delhi  |    103 | P1
(2 rows)
```

Query 10 -

```
bajaj=# SELECT Salary,Empid
bajaj=# FROM
bajaj=# (
bajaj(# SELECT Salary,Empid,ROW_NUMBER() OVER(ORDER BY Salary) As RowNum
bajaj(# FROM EMPLOYEEsalary
bajaj(# ) As A
bajaj=# WHERE A.RowNum IN (3);
 salary | empid
-----+-----
 30000 |      2
(1 row)
```