List of Tables Created

```
postgres=# \d
            List of relations
 Schema |      Name       | Type  |  Owner
--------+-----------------+-------+----------
 public | employee        | table | postgres
 public | employeedetail  | table | postgres
 public | employeesalary  | table | postgres
 public | salary          | table | postgres
(4 rows)
```

Inserting values into table

```
postgres=# insert into Employee values (101,'sridhar','1','guntur'),(102,'sumanth','2','bangalore'),(103,'sayak','3',
postgres(# 'kolkata');
INSERT 0 3
postgres=# insert into employeesalary values (101,'p1',50000),(102,'p2',40000),(103,'p2',30000);
INSERT 0 3
```

Question 1

```
postgres=# SELECT ID,Fullname FROM Employee where Managerid=1;
 id  |              fullname
-----+-------------------------------------------
 101 | sridhar
 101 | sridhar
(2 rows)
```

Question 2

```
postgres=# SELECT COUNT(*) FROM employeesalary
postgres-# where Project='p1';
 count
-------
     1
(1 row)
```

Question 3

```
postgres=# SELECT MAX(salary),MIN(salary),AVG(Salary) FROM Employeesalary;
  max  |  min  |         avg
-------+-------+---------------------
 50000 | 30000 | 40000.000000000000
(1 row)
```

Question 4

```
postgres=# SELECT ID from EmployeeSalary where salary BETWEEN 10000 AND 50000;
 id
-----
 101
 102
 103
(3 rows)
```

Question 5

```
postgres=# CREATE TABLE Salary(ID INT,Project char(20),salary int,Variable int);
CREATE TABLE

postgres=# insert into Salary values(101,'p1',50000,3000),(102,'p2',40000,2000),(103,'p2',30000,1000);
INSERT 0 3
```

```
postgres=# Select ID,sum(salary+variable) as total from Salary group by ID;
 id  | total
-----+-------
 101 | 53000
 103 | 31000
 102 | 42000
(3 rows)
```

Question 6

```
postgres=# SELECT * FROM  Employee WHERE EXISTS
postgres-# (SELECT * FROM EmployeeSalary WHERE
postgres(# Employee.ID=EmployeeSalary.ID);
 id  |               fullname               | managerid |                     city
-----+--------------------------------------+-----------+-------------------------------------------
 101 | sridhar                              |         1 | guntur
 101 | sridhar                              |         1 | guntur
 102 | sumanth                              |         2 | bangalore
 103 | sayak                               |         3 | kolkata
(4 rows)
```

Question 7

```
postgres=# SELECT UPPER(FullName),LOWER(City) FROM
postgres-# Employee;
  upper   |   lower
----------+-----------
 SRIDHAR  | guntur
 SRIDHAR  | guntur
 SUMANTH  | bangalore
 SAYAK    | kolkata
(4 rows)
```

Question 8

```
postgres=# SELECT Project,count(ID) Projectcount
postgres-# FROM Employeesalary
postgres-# GROUP BY Project
postgres-# ORDER BY Projectcount DESC;
        project            | projectcount
---------------------------+--------------
 p2                        |            2
 p1                        |            1
(2 rows)
```

Question 9

```
postgres=# SELECT * FROM Employee WHERE
postgres-# MOD(ID,2)<>0;
 id  |         fullname          | managerid |                    city
-----+---------------------------+-----------+--------------------------------------------
 101 | sridhar                   |         1 | guntur
 101 | sridhar                   |         1 | guntur
 103 | sayak                     |         3 | kolkata
(3 rows)
```

Question 10

```
postgres=# SELECT Salary FROM EmployeeSalary Emp1
postgres-# WHERE 2=(SELECT COUNT(DISTINCT(
postgres(# Emp2.Salary))
postgres(# FROM EmployeeSalary Emp2
postgres(# WHERE Emp2.Salary>Emp1.Salary)
postgres-# ;
 salary
--------
  30000
(1 row)
```