Ques.1. Write an SQL query to fetch the EmpId and FullName of all the employees working under Manager with id – '101'.

Ques.2. Write an SQL query to fetch the count of employees working in project 'P1'.

Ques.3. Write an SQL query to find the maximum, minimum, and average salary of the employees.

Ques.4. Write an SQL query to find the employee id whose salary lies in the range of 10000 and 15000.

Ques.5. Write an SQL query to display the total salary of each employee adding the Salary with Variable value.

Ques.6. Write an SQL query to fetch the EmpIds that are present in both the tables – 'EmployeeDetails' and 'EmployeeSalary.

Ques.7. Write an SQL query to upper case the name of the employee and lower case the city values.

Ques.8. Write an SQL query to fetch project-wise count of employees sorted by project's count in descending order.

Ques.9. Write an SQL query to fetch only odd rows from the table.

Ques.10. Write SQL query to find the 3rd highest salary from a table without using the TOP/limit keyword.

Q1:

```
example=# select * from employeedetails;
 empid | fullname |       project        | salary | managerid
-------+----------+----------------------+--------+-----------
    10 | ram      | p1                   |  10000 |        25
    20 | rajesh   | p2                   |  20000 |        24
    40 | rakesh   | p1                   |  10000 |        25
    30 | sumanth  | p2                   |  20000 |        24
    50 | koushik  | p3                   |  50000 |        26
    60 | raju     | p4                   |  20000 |        27
    80 | sujith   | p5                   |  95000 |        25
    70 | hemanth  | p5                   |  95000 |       101
(8 rows)


example=# select empid,fullname from employeedetails where managerid=101;
 empid | fullname
-------+----------
    70 | hemanth
(1 row)


example=#
```

Q2:

```
example=# select count(*) project1_emp from employeedetails where project='p1';
 project1_emp
--------------
            2
(1 row)


example=#
```

Q3:

```
example=# select max(salary),min(salary),avg(salary) from employeedetails;
  max  |  min  |        avg
-------+-------+--------------------
 95000 | 10000 | 40000.000000000000
(1 row)


example=#
```

Q4:

```
example=# select empid from employeedetails where salary>=10000 and salary<=15000;
 empid
-------
    10
    40
(2 rows)


example=#
```

Q5:

```
example=# select empid,salary+2500 as totalsalary from employeesalary;
 empid | totalsalary
-------+-------------
    10 |       12500
    20 |       22500
(2 rows)


example-#
```

Q6:

```
example=# select * from employeesalary;
 empid | project | salary
-------+---------+--------
    10 | p1      |  10000
    20 | p2      |  20000
(2 rows)


example=# select empid from employeedetails where empid in (select empid from employeesalary);
 empid
-------
    10
    20
(2 rows)


example=#
```

Q7:

```
example=# select upper(fullname) as uppercasenames, lower(city) as lowercasenames from employeedetails;
 uppercasenames | lowercasenames
----------------+---------------
 RAM            |
 RAJESH         |
 RAKESH         |
 SUMANTH        |
 KOUSHIK        |
 RAJU           |
 SUJITH         |
 HEMANTH        |
                | hyderabad
                | khammam
                | pune
                | vja
                | delhi
                | mumbai
                | kolkata
(15 rows)


example=#
```

Q8:

```
example=# select project, count(empid) projectcount from employeedetails group by project order by projectcount desc;
      project        | projectcount
---------------------+--------------
 p5                  |            2
 p2                  |            2
 p1                  |            2
 p3                  |            1
 p4                  |            1
(5 rows)


example=#
```

Q9:

```
example=#
example=# select * from (select *, Row_Number() over(order by empid) as rn from employeedetails) as nt where nt.rn%2!=0;
 empid | fullname |       project        | salary | managerid |   city    | rn
-------+----------+----------------------+--------+-----------+-----------+----
    10 | ram      | p1                   |  10000 |        25 |           |  1
    30 | sumanth  | p2                   |  20000 |        24 |           |  3
    50 | koushik  | p3                   |  50000 |        26 |           |  5
    70 | hemanth  | p5                   |  95000 |       101 |           |  7
       |          |                      |        |           | hyderabad |  9
       |          |                      |        |           | pune      | 11
       |          |                      |        |           | delhi     | 13
       |          |                      |        |           | kolkata   | 15
(8 rows)


example=#
```

Q10:

```
example=# select * from employeedetails order by empid offset 2 rows fetch next 1 rows only;
 empid | fullname |       project        | salary | managerid | city
-------+----------+----------------------+--------+-----------+------
    30 | sumanth  | p2                   |  20000 |        24 |
(1 row)


example=#
```