1. query: select empld, fullName from employee where manager_id=101;

Output:

```
test=# insert into employee values (1, 'john', 101), (2, 'blue', 101), (3, 'tony', 101), (4, 'ram', 102);
test=# select * from employee;
empid | fullname | manager_id
          john
         blue
                              101
                              101
         tony
         ram
                              102
(4 rows)
test=# select empId, fullName from employee where manager_id=101;
empid | fullname
          john
         blue
         tony
(3 rows)
```

select count(*) from employee where project='P1';

Output:

```
test=# select * from employee;
 empid | fullname | manager_id | project
         john
     1 |
                            101
                                  P1
     2
                                  P1
         blue
                            101
         tony
                            101
                                  P2
     4
                            102 | P1
         ram
(4 rows)
test=# select count(*) from employee where project='P1';
 count
(1 row)
```

3. select max(salary), min(salary), avg(salary) from employee;

Output:

4. select empld from employee where salary between 10000 and 15000;

```
test=# select empId from employee where salary between 10000 and 15000;
empid
-----
1
2
3
4
(4 rows)
```

5. select empid, sum(salary+variable) as total from employee group by empid order by total asc;

Output:

```
test=# select * from employee;
 empid | fullname | manager_id | project | salary | variable
    1 | john
                          101 | P1
                                                        500
                                           11000
    2
        blue
                          101 | P1
                                           12000
                                                        250
                          101 | P2
                                           13000
                                                        350
        tony
                          102 | P1
        ram
                                           14000
                                                        400
(4 rows)
test=# select empid, sum(salary+variable) as total from employee group by empid;
empid | total
    4 | 14400
    2 | 12250
    3 | 13350
    1 | 11500
(4 rows)
test=# select empid, sum(salary+variable) as total from employee group by empid order by total asc;
empid | total
    1 | 11500
    2
        12250
        13350
        14400
    4
```

6. select employee.empid, fullname from employee join employeeDetails on employee.empid = employeeDetails.empid;

```
test=# select * from employeeDetails;
empid | name | city
                hyderabad
    2 | blue
                chennai
    4 ram
                bangalore
        steve | hyderabad
(4 rows)
test=# select employee.empid, fullname from employee join employeeDetails on employee.empid = employeeDet
ails.empid;
empid | fullname
        john
        blue
        ram
(3 rows)
```

7. select upper(name), lower(city) from employeeDetails;

```
test=# select upper(name), lower(city) from employeeDetails;
upper | lower

JOHN | hyderabad
BLUE | chennai
RAM | bangalore
STEVE | hyderabad
(4 rows)
```

8. select project, count(*) as count from employee group by project order by count desc;

```
test=# select * from employee;
empid | fullname | manager_id | project | salary | variable
    1 I
                           101 | P1
                                            11000 |
                                                         500
        iohn
        blue
                          101 | P1
                                            12000
                                                         250
                          101
                                P2
                                                         350
         tony
                                            13000
    4
                           102 | P1
                                            14000
                                                         400
        ram
(4 rows)
test=# select project, count(*) as count from employee group by project order by count desc;
project | count
P1
P2
(2 rows)
```

9. select * from employee where empid%2!=0;

10. select salary from employee order by salary desc offset 2;

```
test=# select salary from employee order by salary desc offset 2;
salary
------
12000
11000
(2 rows)
```