1 and 2

```
postgres=# select fullname from employeedetails where managerid=101;
 fullname
----------
 A
 C
(2 rows)


postgres=# select count(empid) from employeesalary where project='P1';
 count
-------
     2
(1 row)
```

3 to 7

SQL Shell (psql)

```
postgres=# select min(salary) as min_salary, max(salary) as max_salary,avg(salary) as avr_salary from employeesalary;
 min_salary | max_salary |       avr_salary
------------+------------+------------------------
       8000 |      16000 | 11750.0000000000000000
(1 row)


postgres=# select empid from employeesalary where salary between 10000 and 15000;
 empid
-------
     2
     4
(2 rows)


postgres=# select empid,sum(salary+variable) as total_salary from employeesalary;
ERROR:  column "employeesalary.empid" must appear in the GROUP BY clause or be used in an aggregate function
LINE 1: select empid,sum(salary+variable) as total_salary from emplo...
                ^
postgres=# select empid,sum(salary+variable) as total_salary from employeesalary group by empid;
 empid | total_salary
-------+--------------
     3 |        18000
     4 |        11500
     2 |        12600
     1 |         8200
(4 rows)


postgres=# select empid from employeesalary where empid in(select empid from employeedetails);
 empid
-------
     1
     2
     3
     4
(4 rows)


postgres=# select upper(fullname),lower(city) from employeedetails;
 upper |   lower
-------+-----------
 A     | noida
 B     | delhi
 C     | pune
 D     | hyderabad
(4 rows)
```

8 and 9

SQL Shell (psql)

```
postgres=# select count(empid) from employeesalary group by project order by count(empid) desc;
 count
-------
     2
     1
     1
(3 rows)


postgres=# select project,count(empid) from employeesalary group by project order by count(empid) desc;
 project | count
---------+-------
 P1      |     2
 P2      |     1
 P3      |     1
(3 rows)


postgres=# select * from employeedetails where empid%2!=0;
 empid | fullname | managerid |   j_date   | city
-------+----------+-----------+------------+-------
     1 | A        |       101 | 2022-01-01 | Noida
     3 | C        |       101 | 2022-01-03 | Pune
(2 rows)
```

10

```
postgres=# select salary from employeesalary order by salary desc offset 2 fetch next 1 rows only;
 salary
--------
  11000
(1 row)
```