```
bajaj1=# create database info;
CREATE DATABASE
bajaj1=# \c info;
You are now connected to database "info" as user "postgres".
info=# create schema assign;
CREATE SCHEMA
info=# set search_path to assign;
SET
info=# create table e_details (empid int primary key not
null,empname varchar(20),city varchar(15),project varchar(10),mid
int);
CREATE TABLE
info=# select * from e_details;
 empid | empname | city | project | mid
-------+---------+------+---------+-----
(0 rows)

info=# create table e_salary (eid int primary key not null,foreign
key(eid) references e_details(empid),salary real);
CREATE TABLE

info=# select * from e_salary;
 eid | salary
-----+--------
(0 rows)

                                        ^
info=# insert into e_details (empid,empname,city,project,mid) values
(101,'sid','jaipur','p1',101),(102,'rohan','udaipur','p2',102),(103,
'jass','NYC','p1',101),(104,'zee','pune','p3',103);
INSERT 0 4
info=# select * from e_details;
empid | empname |  city   | project | mid
-------+---------+---------+---------+-----
   101 | sid     | jaipur  | p1      | 101
   102 | rohan   | udaipur | p2      | 102
   103 | jass    | NYC     | p1      | 101
   104 | zee     | pune    | p3      | 103
(4 rows)

info=# insert into e_salary(eid,salary) values
(101,2000),(102,3500),(103,1700),(104,4500);
INSERT 0 4
info=# select * from e_salary;
 eid | salary
-----+--------
 101 |   2000
 102 |   3500
 103 |   1700
 104 |   4500
(4 rows)

Q1.
info=# select empid,empname from e_details where mid=101;
```

```
 empid | empname
-------+---------
   101 | sid
   103 | jass
(2 rows)
```

Q2.

```
info=# select count(empid) from e_details
where project='p1';
 count
-------
     2
(1 row)
```

Q3.

```
info=# select max(salary) as max,min(salary) as min,avg(salary) as
avg from e_salary;
 max  | min  | avg
------+------+------
 4500 | 1700 | 2925
(1 row)
```

Q4.

```
                                                                  ^
info=# select eid from e_salary where salary between 10000 and
15000;
 eid
-----
(0 rows)
```

Q7.

```
                                                    ^
info=# select upper(empname),lower(city) from e_details;
 upper |  lower
-------+---------
 SID   | jaipur
 ROHAN | udaipur
 JASS  | nyc
 ZEE   | pune
(4 rows)
```

Q8.

```
                                                                  ^
info=# select project,count(empid) as project_c from e_details group
by project order by project_c desc;
 project | project_c
---------+-----------
 p1      |         2
 p3      |         1
 p2      |         1
(3 rows)
```

Q5.

```
info=# alter table e_salary add column vars real;
```

```
ALTER TABLE
                              ^
info=# update e_salary set vars=0.5*salary;
UPDATE 4
info=# select * from e_salary;
 eid | salary | rid | vars
-----+--------+-----+------
 101 |   2000 |     | 1000
 102 |   3500 |     | 1750
 103 |   1700 |     |  850
 104 |   4500 |     | 2250
(4 rows)

info=# select eid,salary+vars as tsalary from e_salary group by eid;
 eid | tsalary
-----+---------
 102 |    5250
 101 |    3000
 103 |    2550
 104 |    6750
(4 rows)
```

Q7.

```
info=# select empid from e_details intersect select eid from
e_salary;
 empid
-------
   103
   104
   101
   102
(4 rows)
```

Q9.

```
info=# select * from e_details where empid%2 !=0;
 empid | empname |  city   | project | mid | rid
-------+---------+--------+---------+-----+-----
   101 | sid     | jaipur | p1      | 101 |
   103 | jass    | NYC    | p1      | 101 |
(2 rows)
```

Q10.

```
info=# select max(salary) from e_salary where salary != (select
max(salary) from e_salary where salary != (select max(salary) from
e_salary))and salary != (select max(salary) from e_salary);
 max
------
 2000
(1 row)
```