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

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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)