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Question 1:
Read everything using Terminal command "**man psql**" .

Question 2:
 # creating Table course

```
CREATE TABLE course (
    crcode varchar(20),
    title varchar(100),
    dept varchar(100),
    credits int,
    teacher varchar(100)
);
```

 # Inserting data in course

```
INSERT INTO course
        VALUES ('cs303', 'Databases and information system', 'CS', 6, 'N L sarda');

INSERT INTO course (crcode, title, dept, teacher)
        VALUES('cs313','Databases and information system lab', 'CS', 'N L sarda'),
        ('cs203','c++', 'CS', 'sandip'),
        ('cs113','Software system lab', 'CS', 'pawade');

INSERT INTO course (crcode, title, dept, credits, teacher)
        VALUES('cs323','Databases  lab', 'EE', 8, 'Sudarshan');
```

Question 3:
Succesfully run the .sql script file as:
\i filename (.sql script file)

Question 4:
 # creating Table student and study

```
CREATE TABLE student (
    rollno int,
    name varchar(100),
    hostelno varchar(100),
    cpi real,
    dept varchar(100)
);
CREATE TABLE study (
    crcode varchar(20),
    rollno int,
    grade varchar(20)
);
```

 # Inserting data in student and study

```
INSERT INTO student (rollno, name, hostelno, cpi, dept)
        VALUES(170010016,'Kunal', 'H3', 9.5,'CS' ),
        (170010012,'karthik', 'H4', 8.2,'EE' ),
        (170030040,'akshat', 'H3', 7.5,'ME' ),
        (170010019,'akshatkarani', 'H4', 9.2,'EE' ),
        (170010003,'kunalkumar', 'H3', 4.67,'CS' ),
        (170010033,'HRITIK', 'H1', 7.67,'CS' ),
        (170010013,'ALOK', 'H2', 8.25,'CS' );




INSERT INTO study (crcode, rollno, grade)
        VALUES('cs323',170010040,'AA'),
        ('cs303',170010012,'BB'),
        ('cs313',170010016,'AB'),
        ('cs313',170010003,'AA'),
        ('cs203',170010033,'FR'),
        ('cs113',170010013,'FR');
```

Question 5:

(a)

```
SELECT rollno,name FROM student WHERE cpi > 9 AND hostelno = 'H4';
```

(b)

```
SELECT title FROM course WHERE teacher = 'Sudarshan';
```

(c)

```
SELECT DISTINCT student.rollno, name FROM student,study WHERE cpi < 6  AND
grade = 'AA';
```

(d)

```
SELECT DISTINCT student.rollno, name FROM student,study,course WHERE
student.dept = 'CS' AND grade = 'FR' AND student.rollno = study.rollno AND
course.crcode = study.crcode AND course.dept = 'CS';
```