**Assignment - 28**

**Postgres DB**

1. **Create a table (student) with 3 columns (rollno, name, course).**

**Solution :**

postgres=# create table student (roll\_no int,stud\_name text,course text);

1. **Insert records for 4 students.**

**Solution :**

postgres=# insert into student values (1,'Abhishek','python'),(2,'sourabh','c'),

postgres-# (3,'prateek','c++'),(4,'naveen','java');

1. **Write a Select query to fetch all the students.**

**Solution :**

postgres=# select \* from student;

1. **Update the student name of rollno 3 with ‘Mohan’**

**Solution :**

postgres=# update student set stud\_name='Mohan' where roll\_no=3;

1. **Delete any student from table with their rollno.**

**Solution :**

postgres=# delete from student where roll\_no=4;

1. **Delete all the data from student table.**

**Solution :**

postgres=# delete from student where roll\_no>0;

1. **Drop the student table.**

**Solution :**

postgres=# drop table student;

other command : truncate table student;

1. **Create Courses table (cid, cname) where cid is a primary key and Student table**

**(rollno, name, cid) where rollno is a primary key and cid is a foreign key.**

**Solution :**

postgres=# create table courses(c\_id int,c\_name text,primary key(c\_id));

postgres=# create table student(roll\_no int,name text,c\_id int,primary key(roll\_no),

postgres(# constraint fk\_stud foreign key(c\_id) references courses(c\_id));

1. **Insert data in both the tables.**

**Solution :**

insert into courses values (1,'c'),(2,'c++'),(3,'java'),(4,'python');

postgres=# insert into student values (1,'Abhishek',1),(2,'sarans',2),(3,'prateek',4),(4,'naveen',3),

postgres-# (5,'sourabh',4),(6,'adity',2);

1. **Select all the students who are doing a specific course, eg. Python.**

**Solution :**

postgres=# select \* from student where c\_id=(select c\_id from courses where c\_name='python');