Assignment : 28

Full Stack Web Development using Python

Postgres DB

Assignment - 28   __Full Stack Web Development using Python__   __MySirG__

Postgres DB

1. Create a table (student) with 3 columns (rollno, name, course).
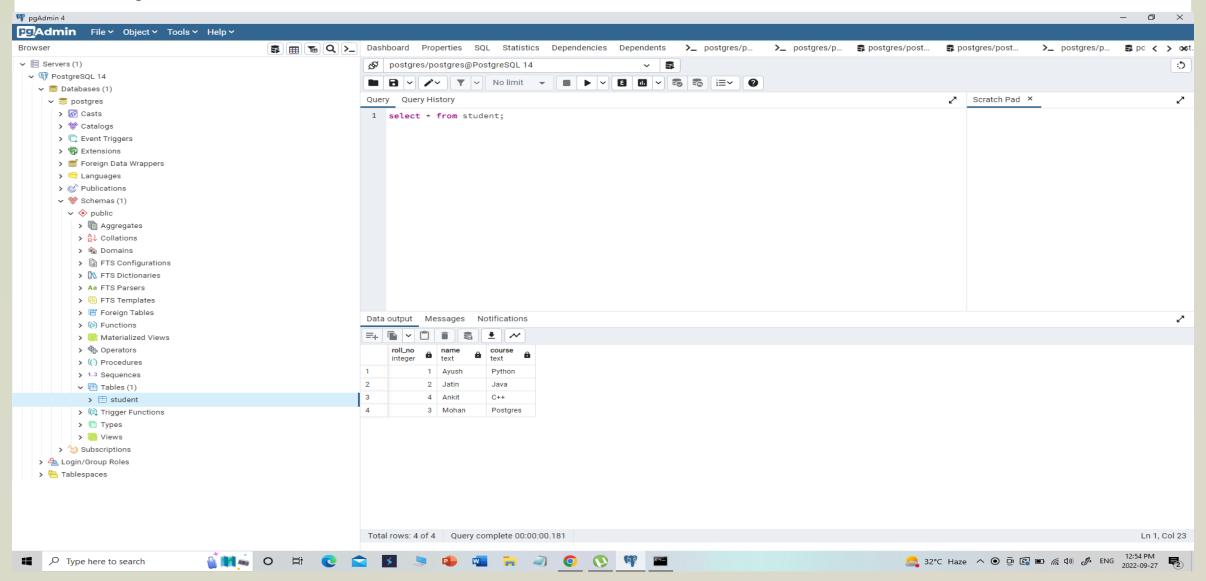2. Insert records for 4 students.

```
Server [localhost]: localhost
Database [postgres]: postgres
Port [5432]: 5432
Username [postgres]: postgres
'chcp' is not recognized as an internal or external command,
operable program or batch file.
Password for user postgres:
psql (14.5)
WARNING: Console code page (437) differs from Windows code page (1252)
         8-bit characters might not work correctly. See psql reference
         page "Notes for Windows users" for details.
Type "help" for help.

postgres=# create table student (roll_no int, name text, course text);
CREATE TABLE
postgres=# insert into student values (1,'Ayush','Python');
INSERT 0 1
postgres=# insert into student values (2,'Jatin','Java');
INSERT 0 1
postgres=# insert into student values (3,'Dhruv','Postgres');
INSERT 0 1
postgres=# insert into student values (4,'Ankit','C++');
INSERT 0 1
postgres=# select * from student;
'more' is not recognized as an internal or external command,
operable program or batch file.
postgres=#
```

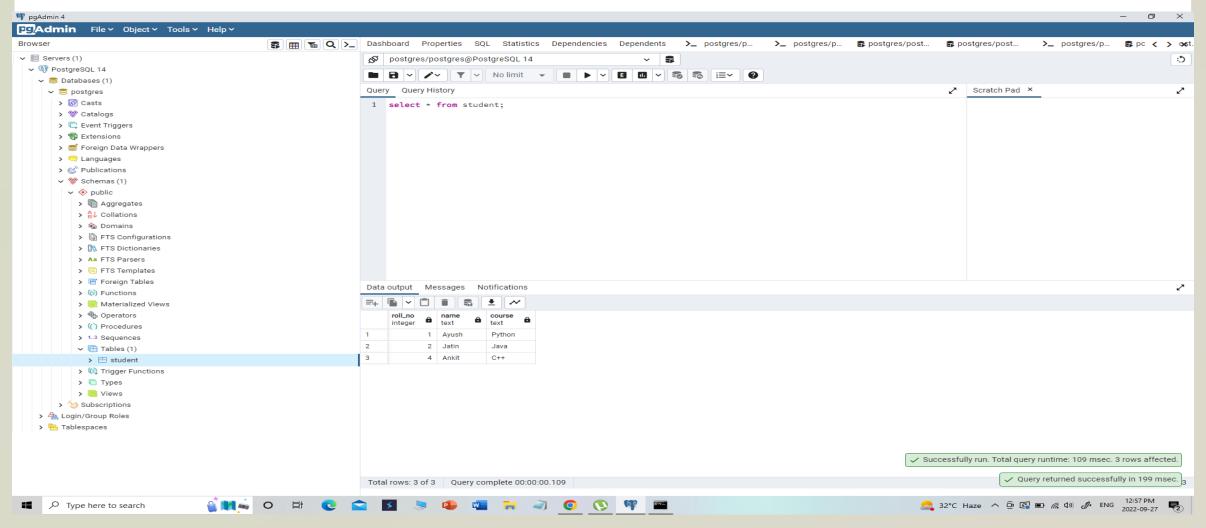# 4. Update the student name of rollno 3 with 'Mohan'
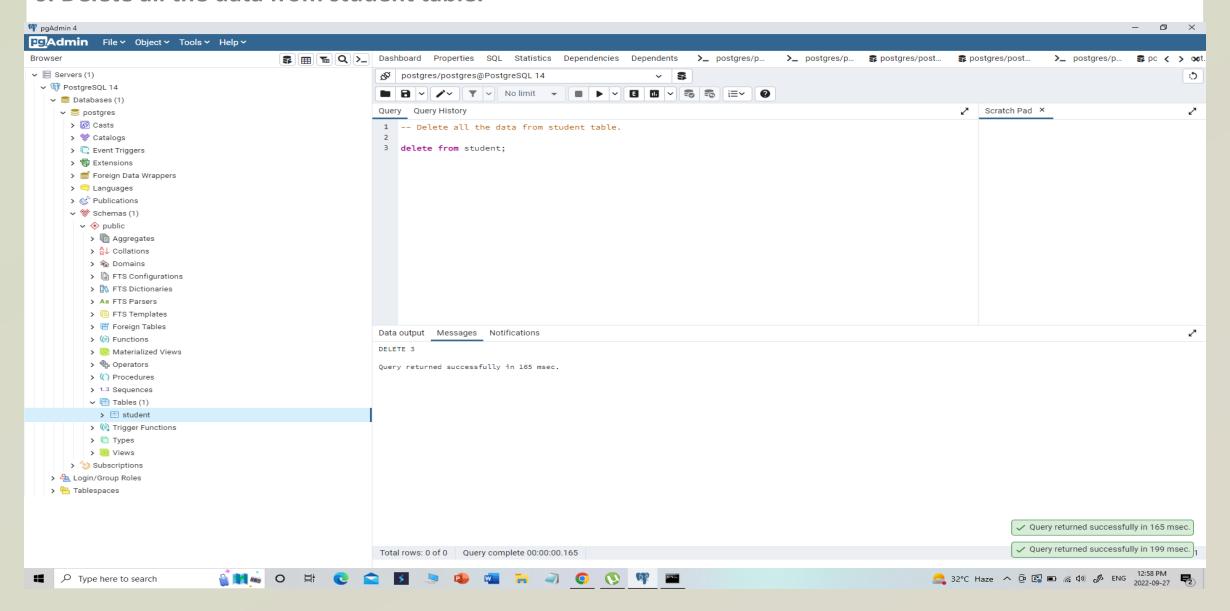
After Updation :

5. Delete any student from table with their rollno.
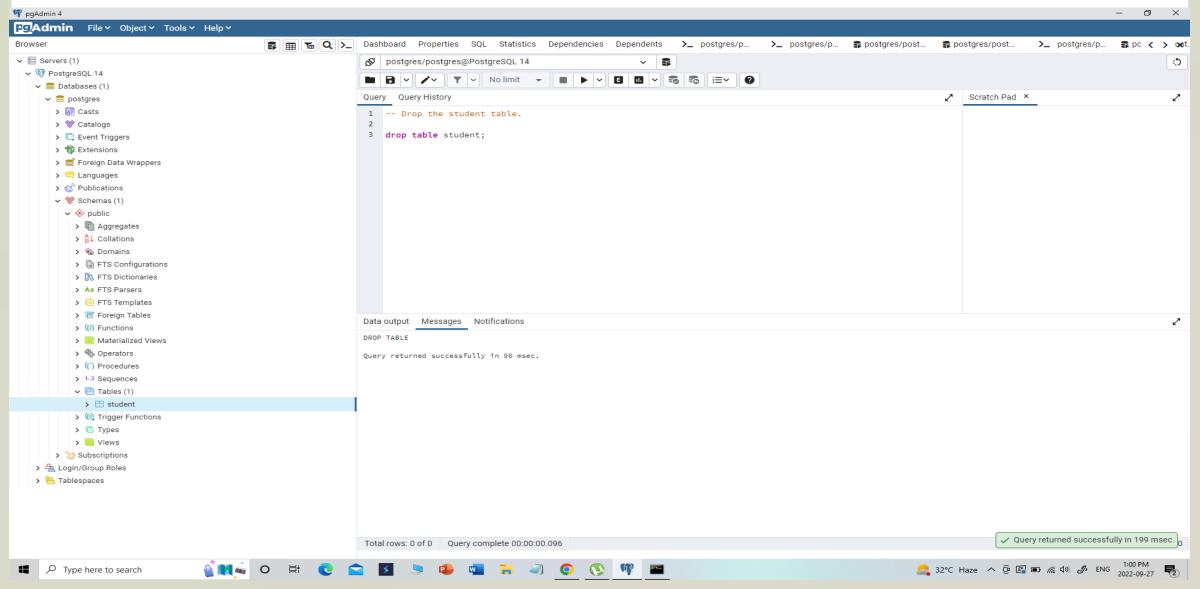**Query : delete from student where roll_no=3;**

After deletion :

6. Delete all the data from student table.

Query editor:
```
1  -- Delete all the data from student table.
2
3  delete from student;
```

Messages:
```
DELETE 3

Query returned successfully in 165 msec.
```

Query returned successfully in 165 msec.

Query returned successfully in 199 msec.
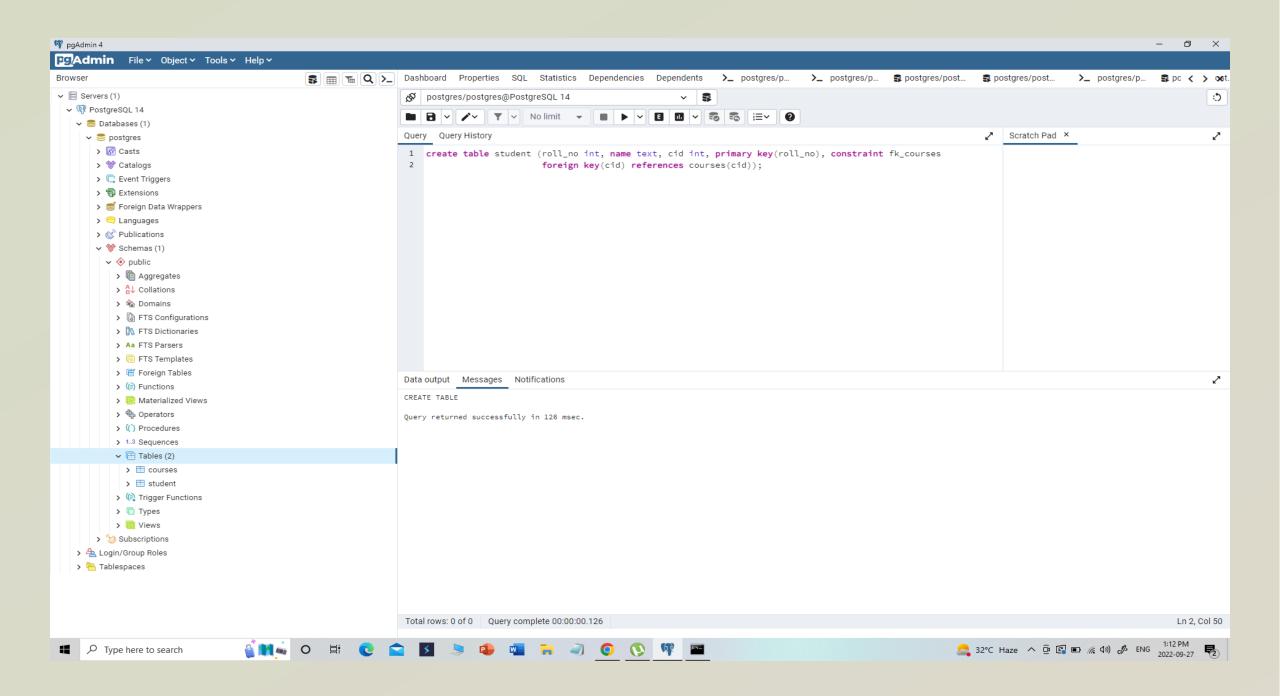
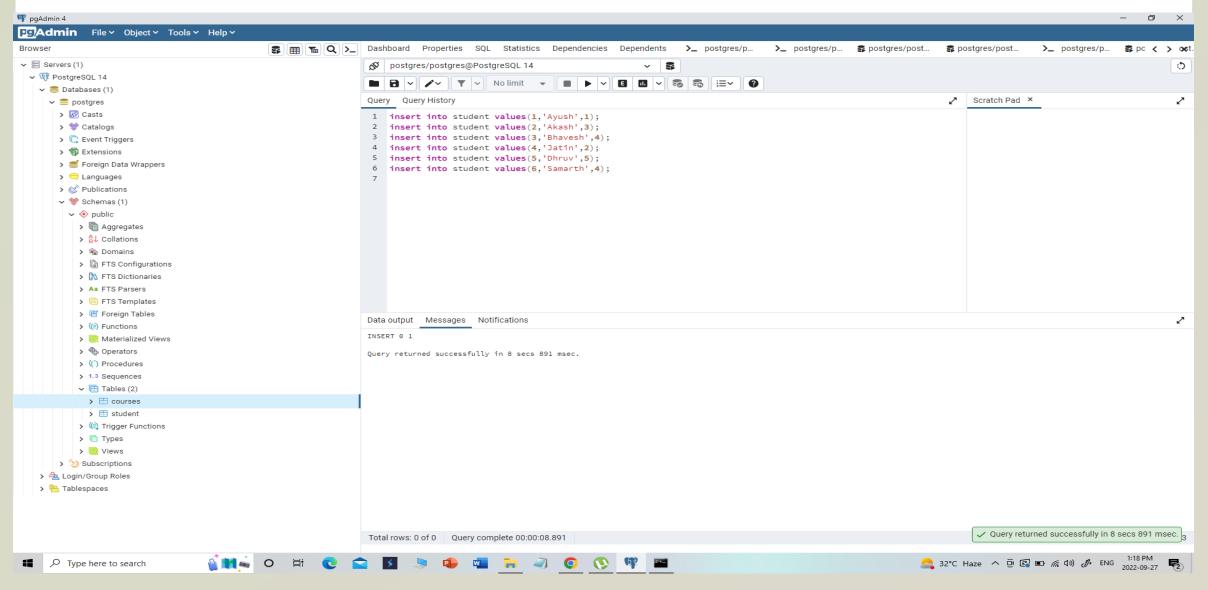# 7. Drop the student table.

8. 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.
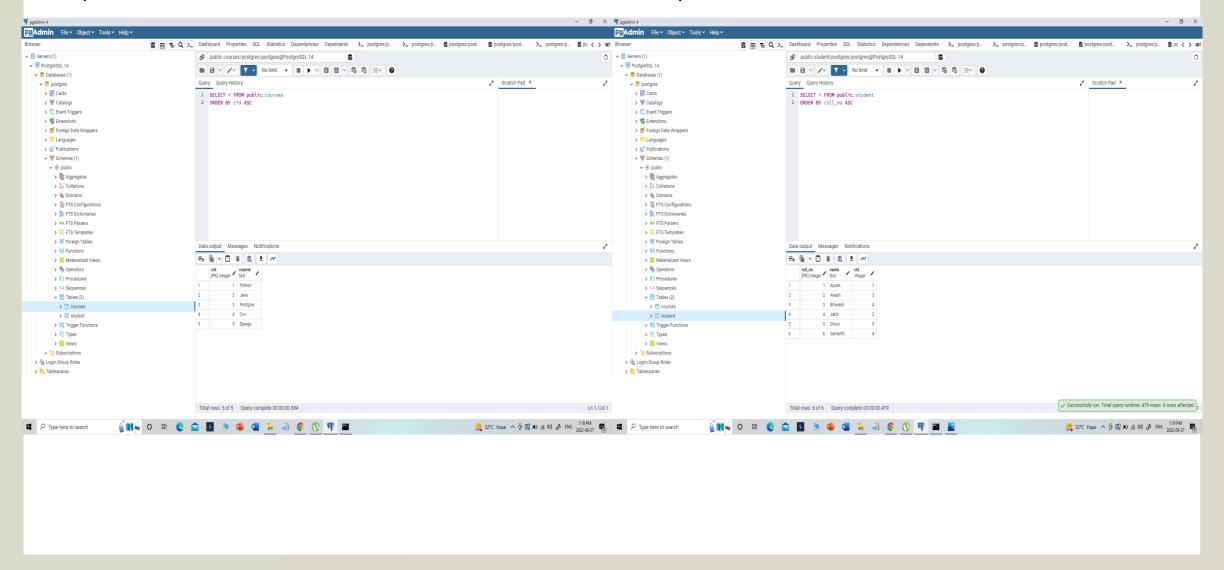
pgAdmin | File | Object | Tools | Help

Dashboard | Properties | SQL | Statistics | Dependencies | Dependents | postgres/p... | postgres/p... | postgres/post... | postgres/post... | postgres/p... | pc

postgres/postgres@PostgreSQL 14

Query | Query History

```
1  create table student (roll_no int, name text, cid int, primary key(roll_no), constraint fk_courses
2                        foreign key(cid) references courses(cid));
```

Scratch Pad

Browser

- Servers (1)
  - PostgreSQL 14
    - Databases (1)
      - postgres
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas (1)
          - public
            - Aggregates
            - Collations
            - Domains
            - FTS Configurations
            - FTS Dictionaries
            - FTS Parsers
            - FTS Templates
            - Foreign Tables
            - Functions
            - Materialized Views
            - Operators
            - Procedures
            - Sequences
            - Tables (2)
              - courses
              - student
            - Trigger Functions
            - Types
            - Views
        - Subscriptions
    - Login/Group Roles
    - Tablespaces

Data output | Messages | Notifications

CREATE TABLE

Query returned successfully in 126 msec.

Total rows: 0 of 0 | Query complete 00:00:00.126 | Ln 2, Col 50

9. Insert data in both the tables.

Query : select * from courses; Query : select * from student;

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