Database Management System(UE19CS301)

Assignment - 3

Team Details

	NAME	SRN
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Problem Statement

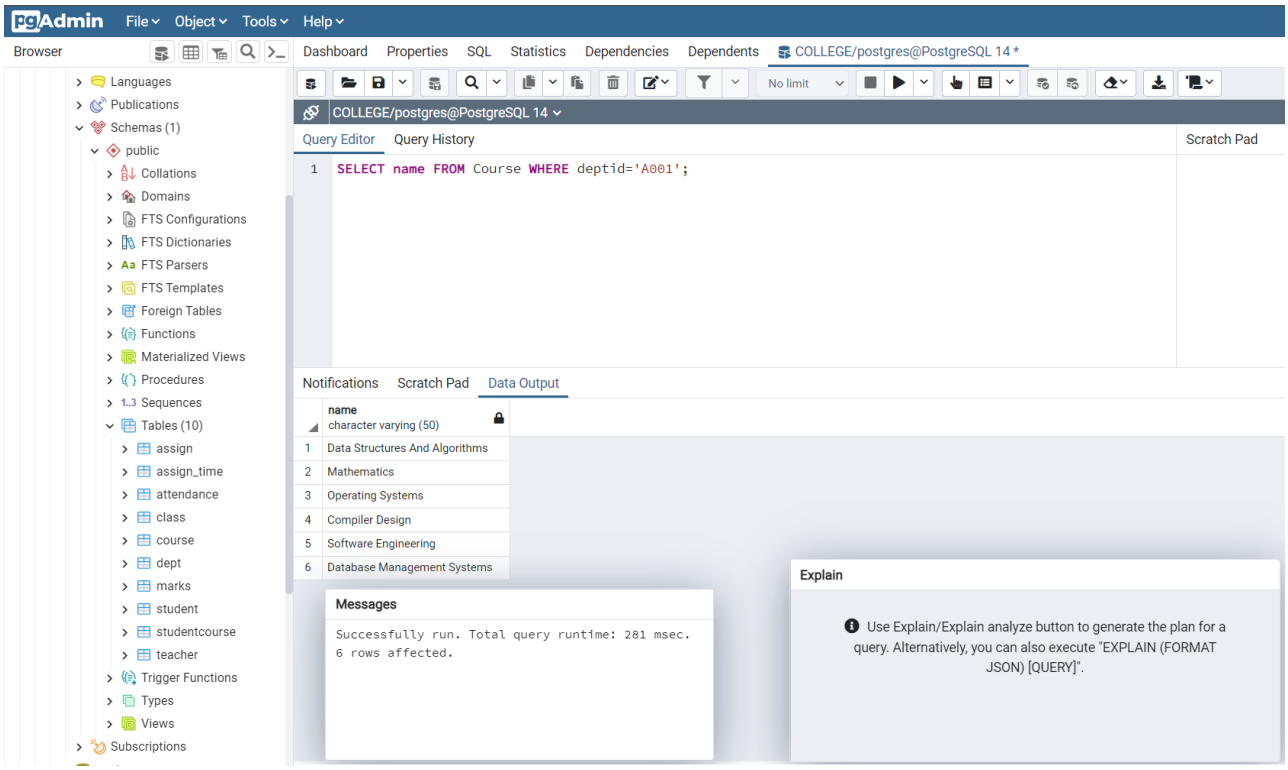
Our project aims to integrate the modules and functionalities of a college system in a single application with our **College Enterprise Resource Planning (ERP)** system. Using the Django framework we intend to design it for interactions between students and teachers. A database management system based on sqlite is what we have used to store and manage our data.

Queries

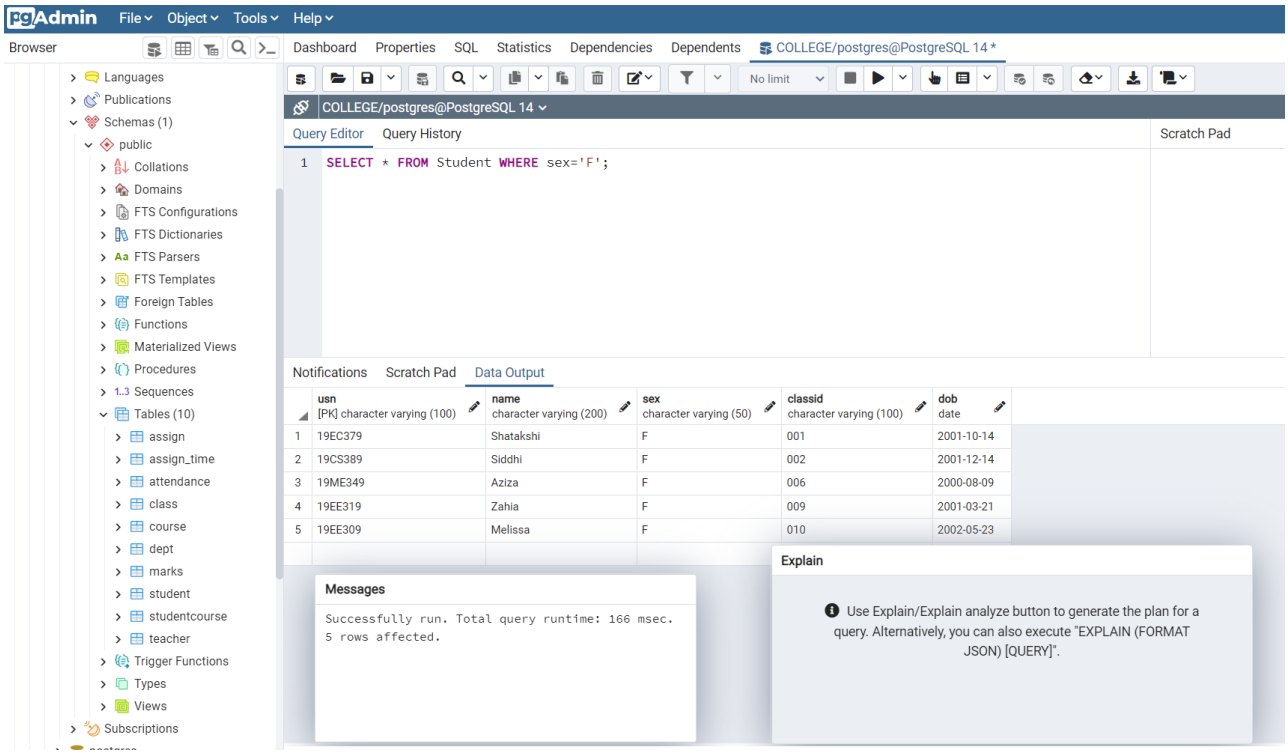
Simple, Complex, Nested Queries

Simple Queries:

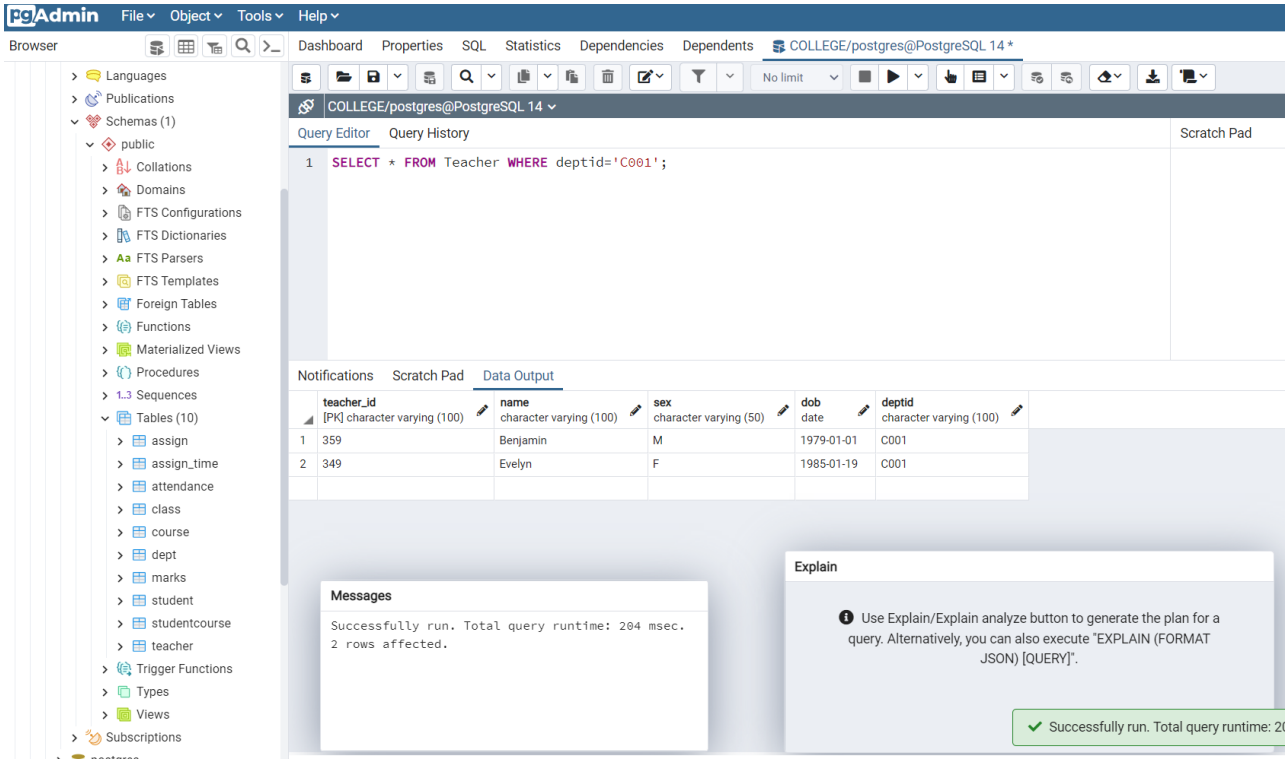
1. Select all the course names offered by the CSE department.('A001')



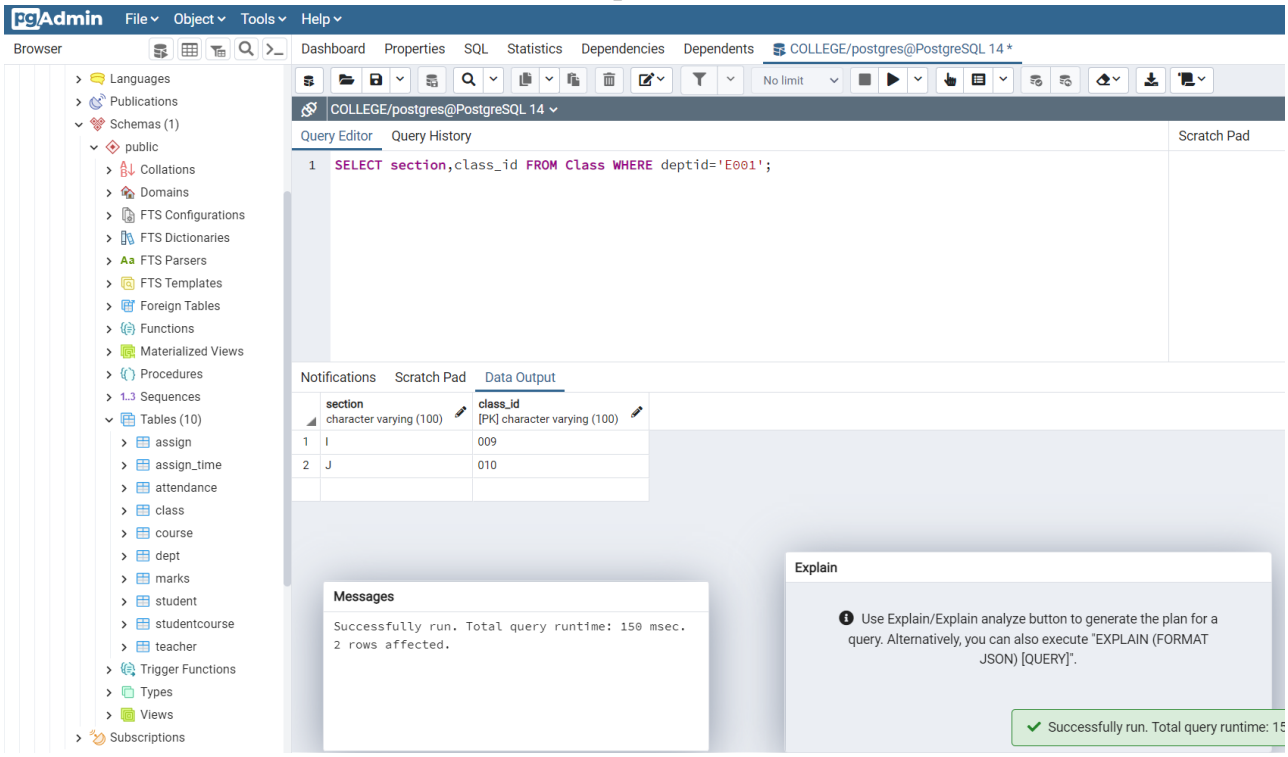
2. Display the details of all female students.



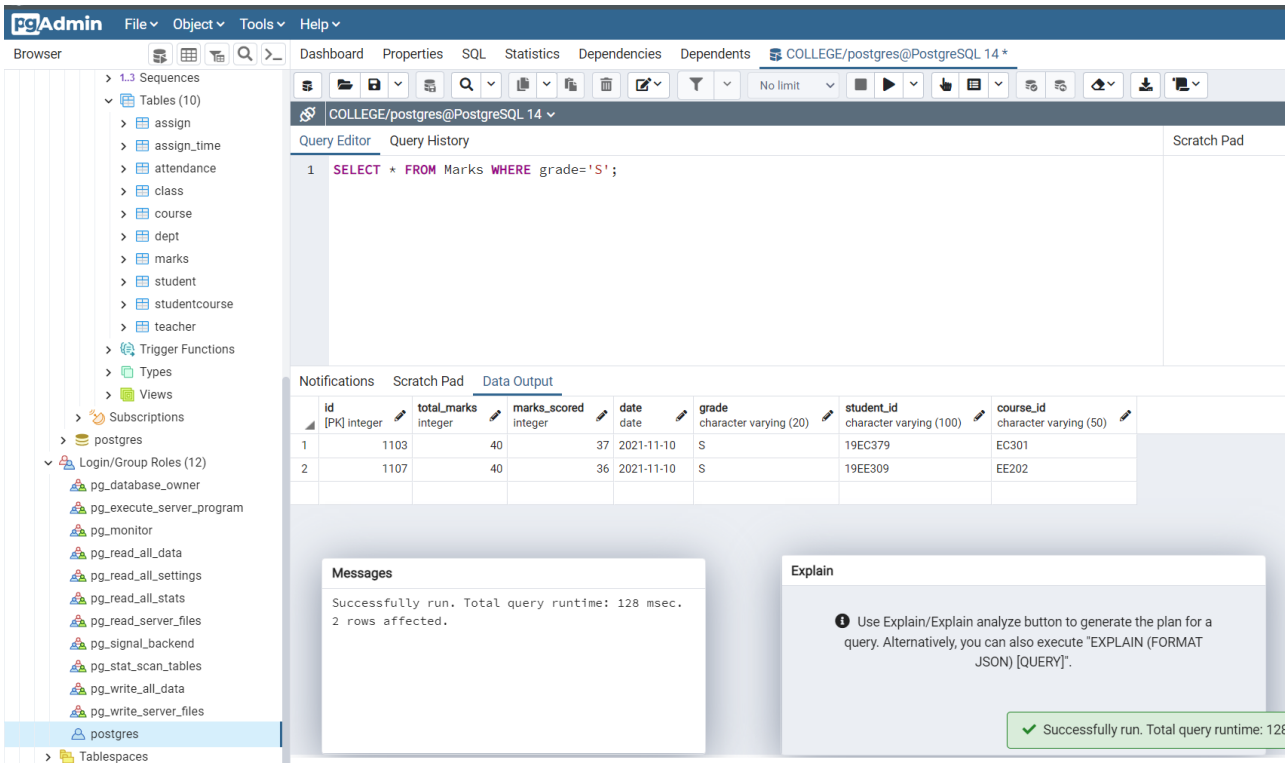
3. Display details of teachers belonging to the Civil department.



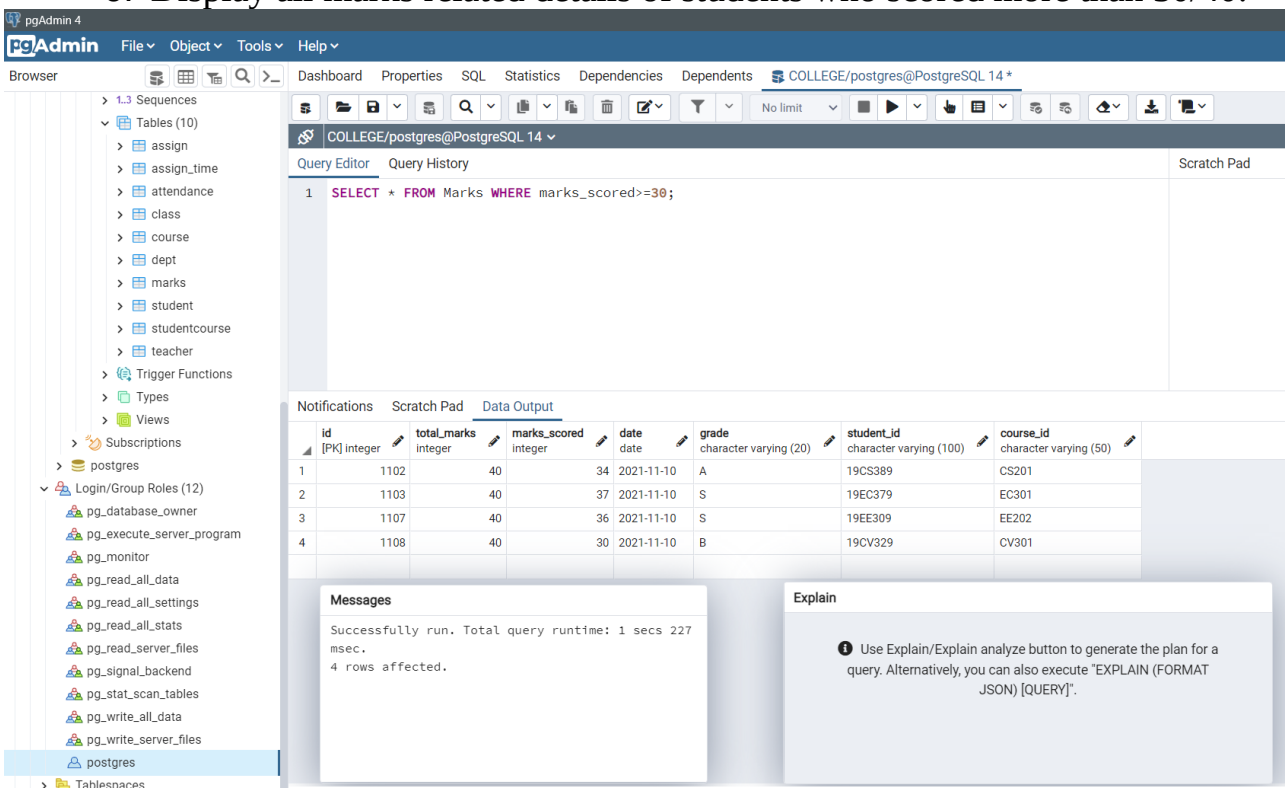
4. Display the section and class_id of classes belonging to the Electrical department.



5. Display all marks related details of students who obtained an ‘S’ grade.

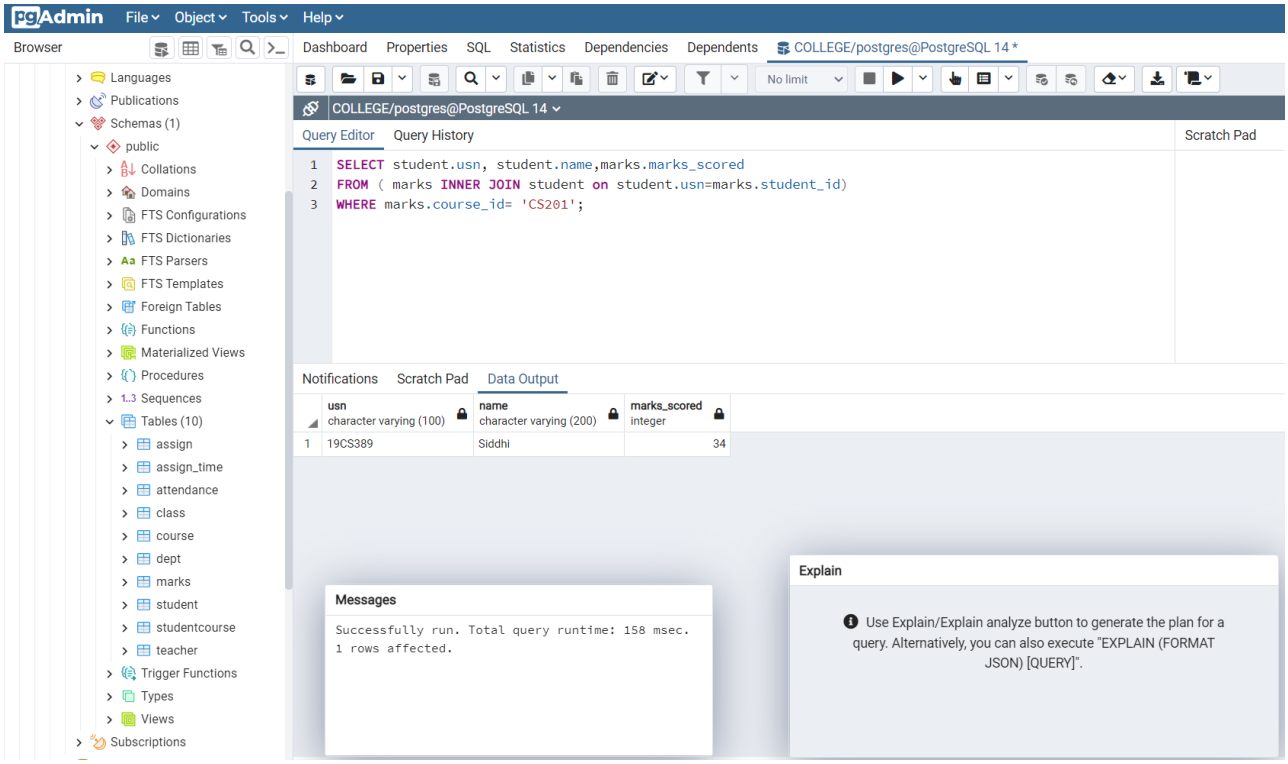


6. Display all marks related details of students who scored more than 30/40.

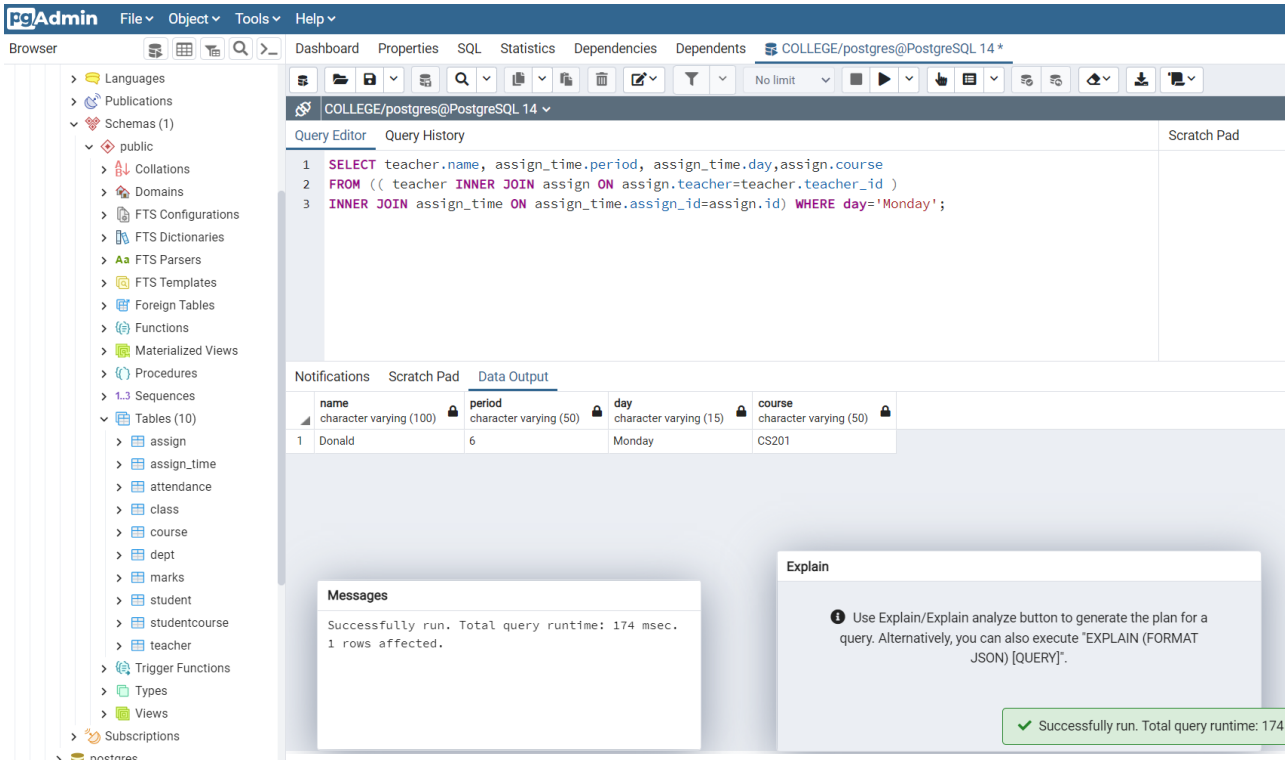


Complex Queries:

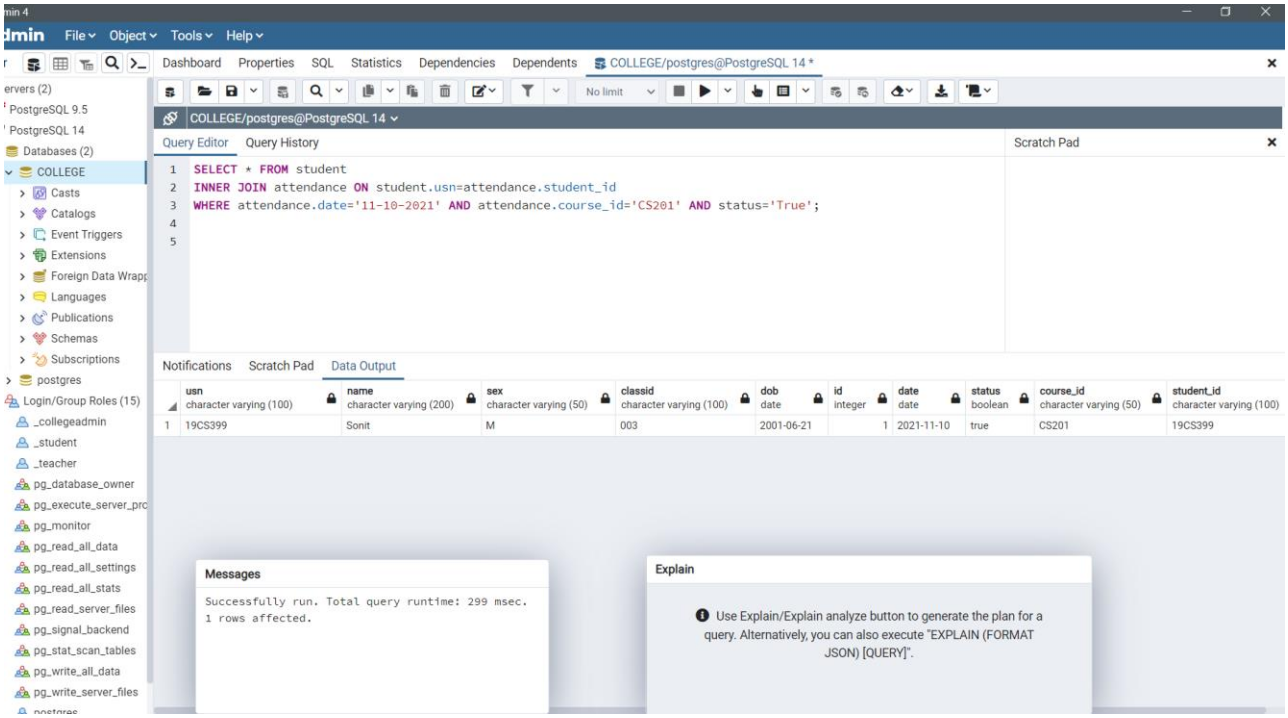
7. Display USN, Name and marks of students enrolled in the course 'Data Structures And Algorithms'.



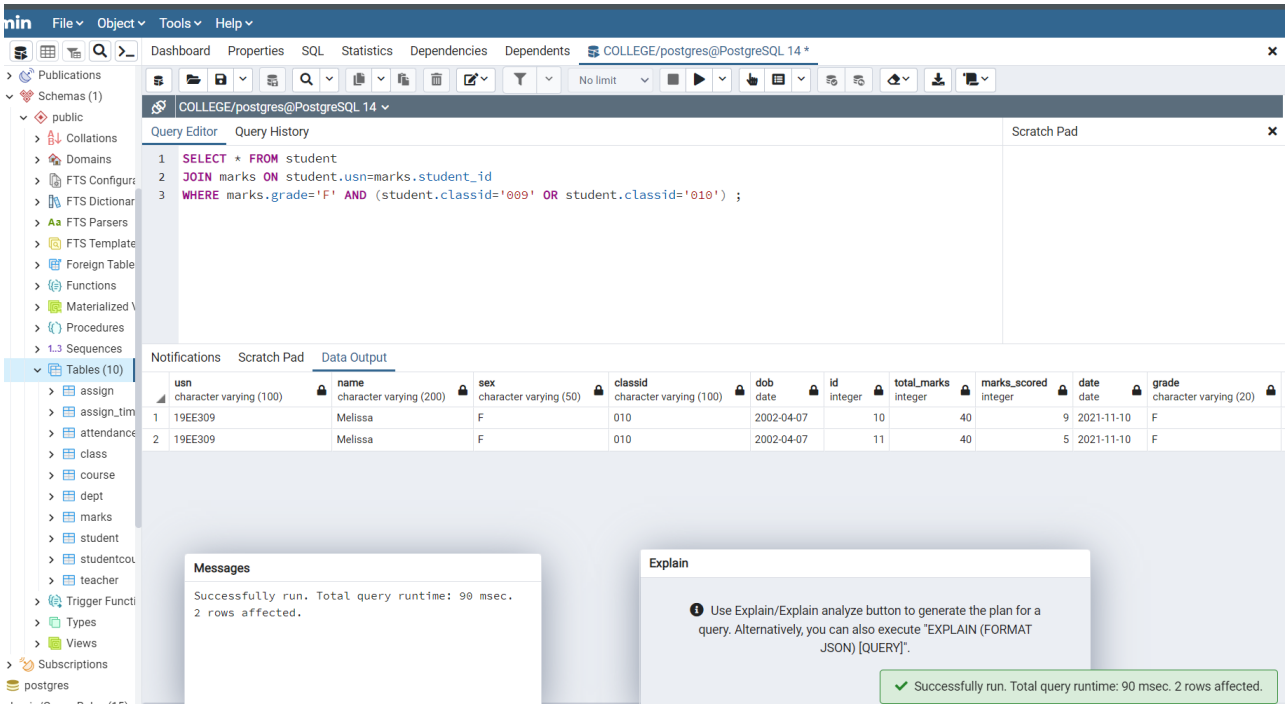
8. Display the name of the teachers taking classes on Monday's along with the period and course details.



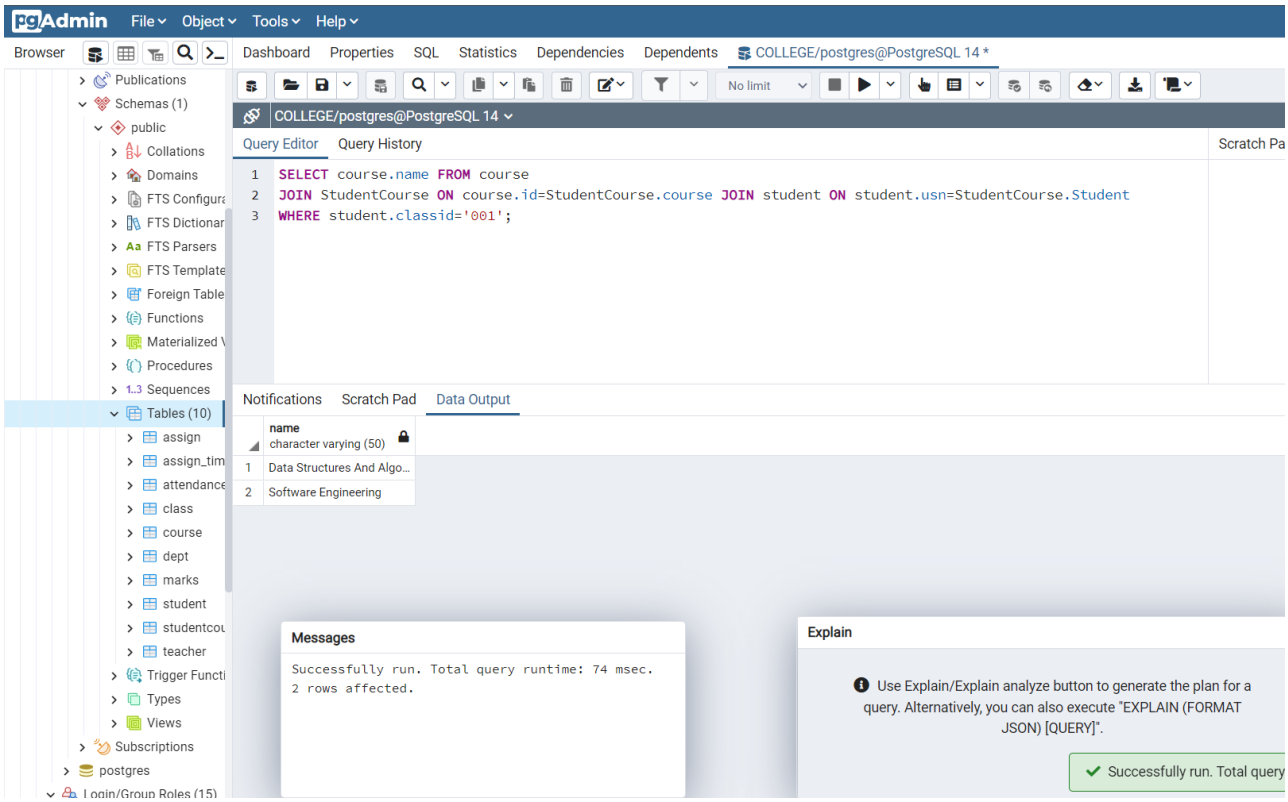
9. Display names of students who attended CS201 on '11-10-2021'.



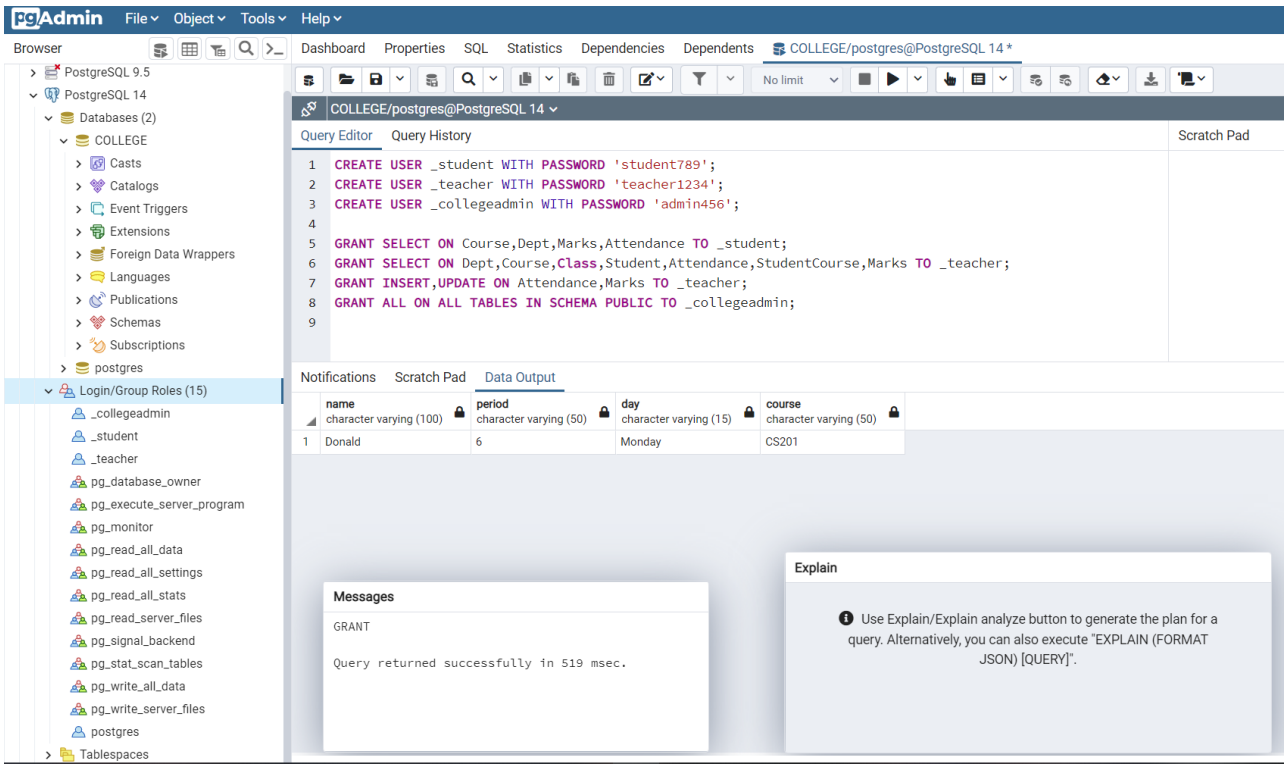
10. Display all details of students with failing grade in course Electrical department.



11. Find all courses taken by students in section A.



Creating multiple users with different access privilege levels for different parts of the database.



Contributions

Shatakshi Mohan- Simple queries and further population of the database.
Siddhi Patil- Complex and nested queries.
Sonit Pradhan- Complex queries and access privilege creation.

Time Spent- 6 hrs