

EXPERIMENT 27

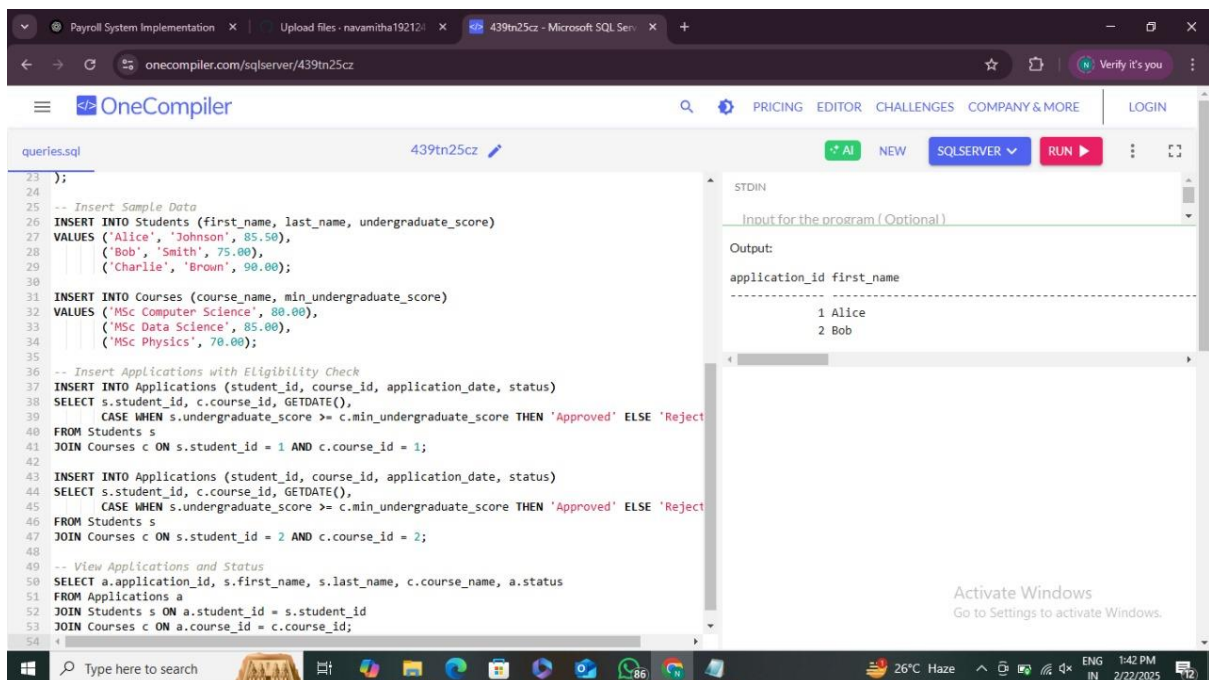
Aim:

To design a **student information system** for managing **PG admissions**.

Procedure:

1. Create a **SQL database** with a Students table (StudentID, Name, UG Percentage, Applied Course).
2. Develop a **form (WebForm1.aspx)** for students to apply for PG courses.
3. Implement an **eligibility check** (UG percentage > 60% required for admission).
4. Store and retrieve data using **DML and DQL queries**.
5. Display student admission status.

Output:



The screenshot shows the OneCompiler web interface with a SQL query in the editor and its output in the right-hand pane. The query is as follows:

```
23 );
24
25 -- Insert Sample Data
26 INSERT INTO Students (first_name, last_name, undergraduate_score)
27 VALUES ('Alice', 'Johnson', 85.50),
28         ('Bob', 'Smith', 75.00),
29         ('Charlie', 'Brown', 90.00);
30
31 INSERT INTO Courses (course_name, min_undergraduate_score)
32 VALUES ('MSc Computer Science', 80.00),
33         ('MSc Data Science', 85.00),
34         ('MSc Physics', 70.00);
35
36 -- Insert Applications with Eligibility Check
37 INSERT INTO Applications (student_id, course_id, application_date, status)
38 SELECT s.student_id, c.course_id, GETDATE(),
39        CASE WHEN s.undergraduate_score >= c.min_undergraduate_score THEN 'Approved' ELSE 'Reject'
40 FROM Students s
41 JOIN Courses c ON s.student_id = 1 AND c.course_id = 1;
42
43 INSERT INTO Applications (student_id, course_id, application_date, status)
44 SELECT s.student_id, c.course_id, GETDATE(),
45        CASE WHEN s.undergraduate_score >= c.min_undergraduate_score THEN 'Approved' ELSE 'Reject'
46 FROM Students s
47 JOIN Courses c ON s.student_id = 2 AND c.course_id = 2;
48
49 -- View Applications and Status
50 SELECT a.application_id, s.first_name, s.last_name, c.course_name, a.status
51 FROM Applications a
52 JOIN Students s ON a.student_id = s.student_id
53 JOIN Courses c ON a.course_id = c.course_id;
```

The output pane shows the following results:

application_id	first_name
1	Alice
2	Bob

Result:

A **PG student information system** was successfully developed with eligibility validation.