EXPERIMENT 22

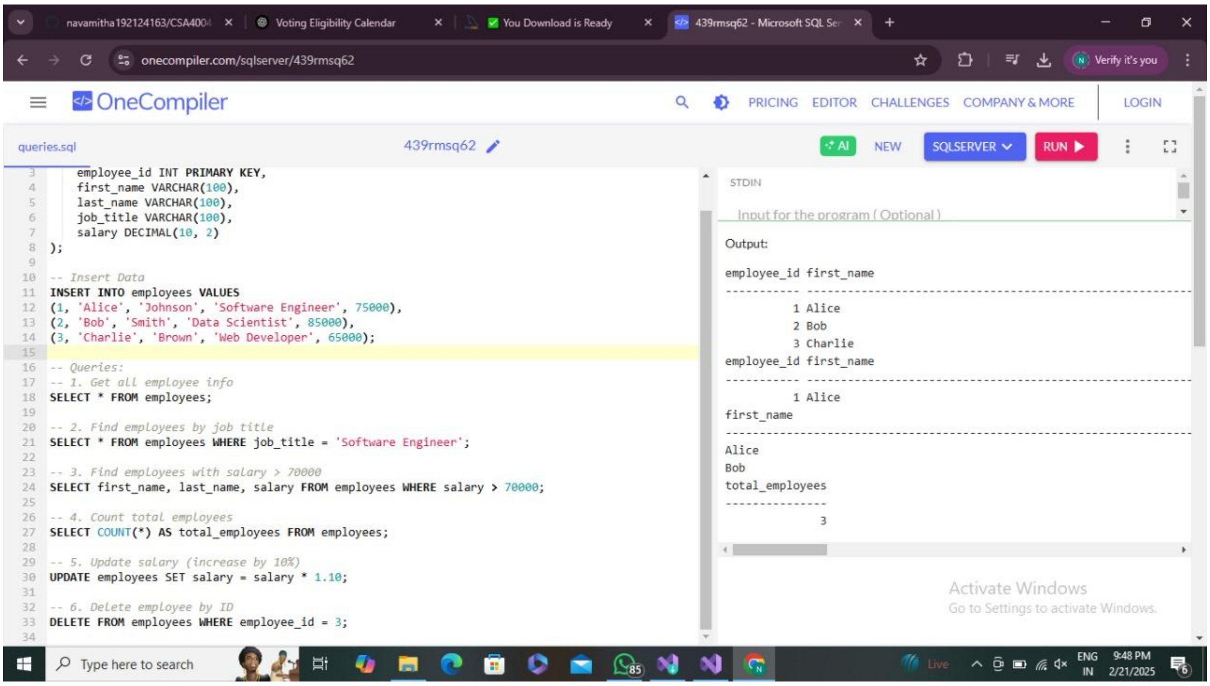
Aim:

To develop an **employee personal information system** using SQL commands.

Procedure:

1. Create a **SQL database** with an Employees table (EmployeeID, Name, Department, Salary, etc.).
2. Implement **DML commands** (INSERT, UPDATE, DELETE) to manage employee records.
3. Use **DQL commands** (SELECT) to retrieve employee details.
4. Develop a **front-end form (WebForm1.aspx)** with fields to input employee details.
5. Connect the form with the database and test data insertion and retrieval.

Output:



```
    employee_id INT PRIMARY KEY,
    first_name VARCHAR(100),
    last_name VARCHAR(100),
    job_title VARCHAR(100),
    salary DECIMAL(10, 2)
);

-- Insert Data
INSERT INTO employees VALUES
(1, 'Alice', 'Johnson', 'Software Engineer', 75000),
(2, 'Bob', 'Smith', 'Data Scientist', 85000),
(3, 'Charlie', 'Brown', 'Web Developer', 65000);

-- Queries:
-- 1. Get all employee info
SELECT * FROM employees;

-- 2. Find employees by job title
SELECT * FROM employees WHERE job_title = 'Software Engineer';

-- 3. Find employees with salary > 70000
SELECT first_name, last_name, salary FROM employees WHERE salary > 70000;

-- 4. Count total employees
SELECT COUNT(*) AS total_employees FROM employees;

-- 5. Update salary (increase by 10%)
UPDATE employees SET salary = salary * 1.10;

-- 6. Delete employee by ID
DELETE FROM employees WHERE employee_id = 3;
```

Output:

```
employee_id first_name
----------- ------------------------------------------------------------
          1 Alice
          2 Bob
          3 Charlie
employee_id first_name
----------- ------------------------------------------------------------
          1 Alice
first_name
------------------------------------------------------------------------
Alice
Bob
total_employees
---------------
              3
```

Result:

A **personal information system** for employees was successfully created using **DML and DQL**.