

EXPERIMENT 29

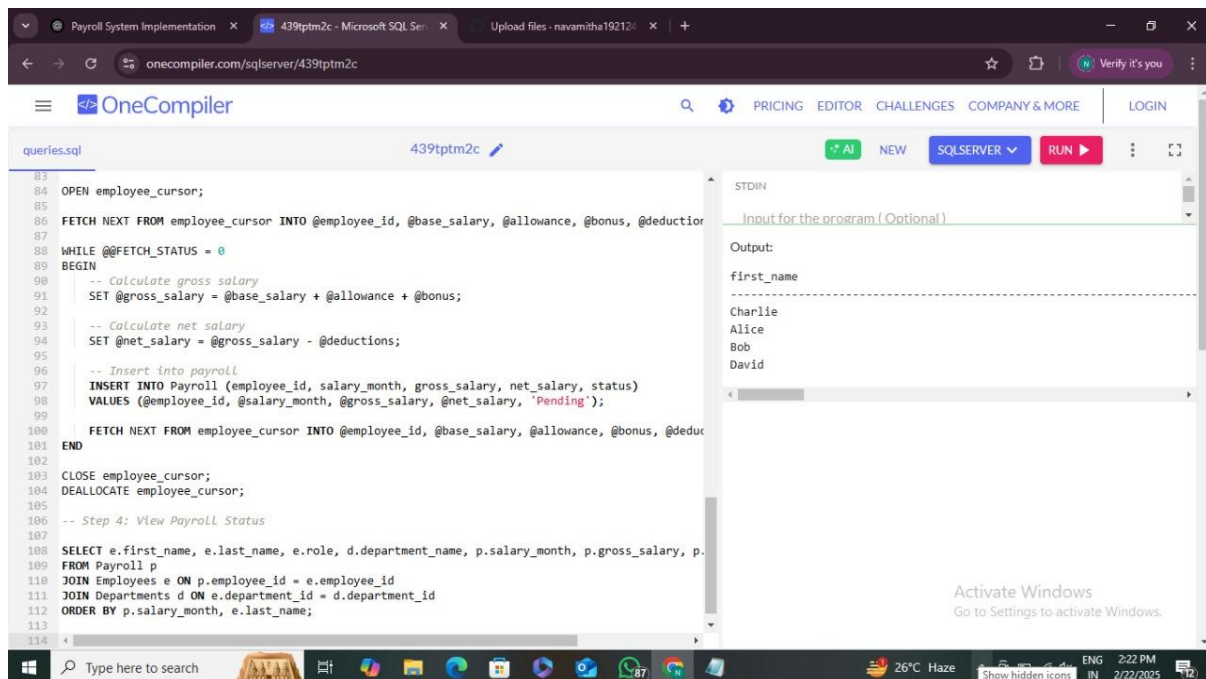
Aim:

To implement **authorization-based access control** for employees using multiple databases.

Procedure:

1. Create two databases:
 - CompanyDB (for partners)
 - DepartmentDB (for managers/employees)
2. Implement **role-based authentication** in **WebForm1.aspx**.
3. Use **SQL queries** to check user roles and provide access accordingly.
4. Display data based on the authorized user's role.

Output:



The screenshot shows a web browser window with the OneCompiler SQL editor. The editor is displaying a SQL script for a payroll system implementation. The script includes a cursor to fetch employee data, calculate gross and net salaries, insert into a payroll table, and a final query to view payroll status. The output of the script is displayed on the right side of the editor, showing the first names of the employees: Charlie, Alice, Bob, and David.

```
83 OPEN employee_cursor;
84
85 FETCH NEXT FROM employee_cursor INTO @employee_id, @base_salary, @allowance, @bonus, @deduction
86
87 WHILE @@FETCH_STATUS = 0
88 BEGIN
89     -- Calculate gross salary
90     SET @gross_salary = @base_salary + @allowance + @bonus;
91
92     -- Calculate net salary
93     SET @net_salary = @gross_salary - @deductions;
94
95     -- Insert into payroll
96     INSERT INTO Payroll (employee_id, salary_month, gross_salary, net_salary, status)
97     VALUES (@employee_id, @salary_month, @gross_salary, @net_salary, 'Pending');
98
99     FETCH NEXT FROM employee_cursor INTO @employee_id, @base_salary, @allowance, @bonus, @deduc
100
101 END
102
103 CLOSE employee_cursor;
104 DEALLOCATE employee_cursor;
105
106 -- Step 4: View Payroll Status
107
108 SELECT e.first_name, e.last_name, e.role, d.department_name, p.salary_month, p.gross_salary, p.
109 FROM Payroll p
110 JOIN Employees e ON p.employee_id = e.employee_id
111 JOIN Departments d ON e.department_id = d.department_id
112 ORDER BY p.salary_month, e.last_name;
113
114
```

Output:

first_name
Charlie
Alice
Bob
David

Result:

A **multi-database employee access system** was successfully implemented with authentication.