SQL ASSIGNMET

ANUDIP

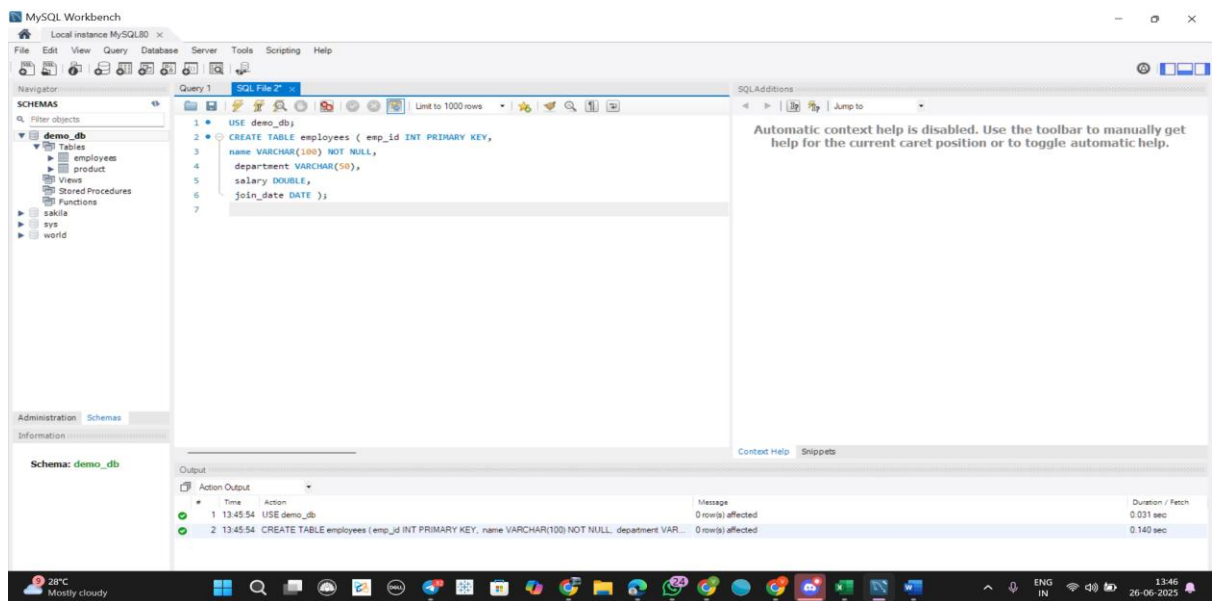NAME   :   Vinay Sandip Dhake

Student ID/AF Code :   AF04955282

Batch Code   :   ANP-D1544

STRUCTURAL QUERY LANGUAGE

1. **Creating table**

   CREATE TABLE employees (emp_id INT PRIMARY KEY,
   name VARCHAR(100) NOT NULL,
    department VARCHAR(50),
    salary DOUBLE,
    join_date DATE);

2.Insert query

INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES
(101, 'John Doe', 'HR', 45000, '2021-06-15'),
(102, 'Jane Smith', 'IT', 75000, '2020-01-10'),
(103, 'Alice Johnson', 'Finance', 60000, '2019-08-23'),
(104, 'Bob Brown', 'IT', 80000, '2022-03-01'),
(105, 'Eve Davis', 'Marketing', 55000, '2021-11-05');

3.Select query SELECT * FROM employees;

4.SELECT name, department FROM employees;

5.SELECT * FROM employees WHERE department = 'IT';

6.

SELECT * FROM employees

WHERE department = 'IT' AND salary > 75000;

7.

SELECT * FROM employees

WHERE department IN ('IT', 'Finance');

8.

SELECT * FROM employees

WHERE salary BETWEEN 50000 AND 70000;

9. SELECT * FROM employees

WHERE name LIKE 'J%'; -- Names starting with J

CLAUSE -ORDER BY, WHERE, HAVING

10.

SELECT * FROM employees

ORDER BY salary DESC;

UPDATE QUERY

11.

UPDATE employees

SET salary = 82000

WHERE emp_id = 104;

12.

DELETE FROM employees

WHERE emp_id = 105;

13.

SELECT department, AVG(salary) AS avg_salary

FROM employees

GROUP BY department;

14.

SELECT department, COUNT(*) AS emp_count

FROM employees

GROUP BY department

HAVING COUNT(*) > 1;