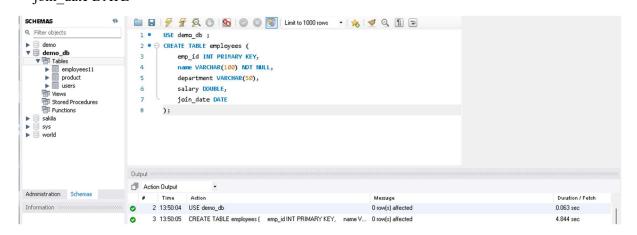
SQL Assignment

Name: Arya Dilliwale

AF04954002

1) **CREATING TABLE**

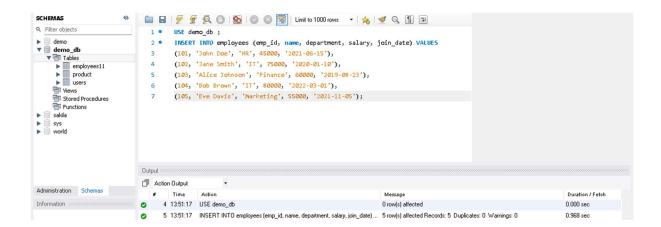
```
CREATE TABLE employees (
emp_id INT PRIMARY KEY,
name VARCHAR(100) NOT NULL,
department VARCHAR(50),
salary DOUBLE,
join date DATE
```



2) **INSERT QUERY**

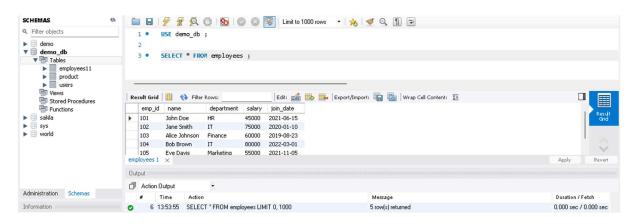
```
INSERT INTO employees (emp_id, name, department, salary, join_date) VALUES (101, 'John Doe', 'HR', 45000, '2021-06-15'), (102, 'Jane Smith', 'IT', 75000, '2020-01-10'), (103, 'Alice Johnson', 'Finance', 60000, '2019-08-23'), (104, 'Bob Brown', 'IT', 80000, '2022-03-01'),
```

(105, 'Eve Davis', 'Marketing', 55000, '2021-11-05');

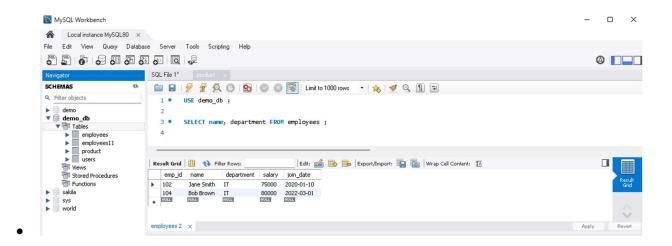


3) **SELECT QUERY**

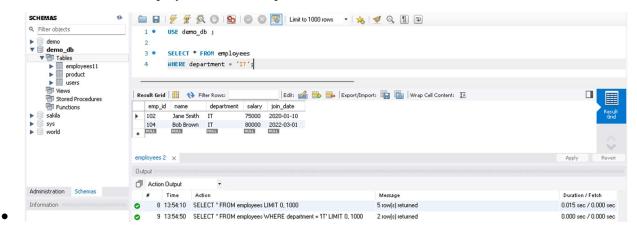
• SELECT * FROM employees;



SELECT name, department FROM employees;

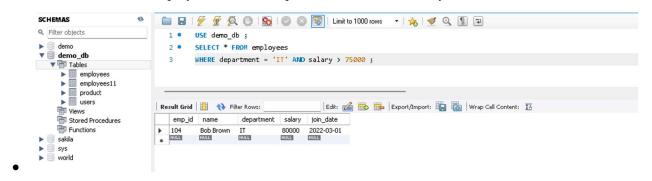


• SELECT * FROM employees WHERE department = 'IT';

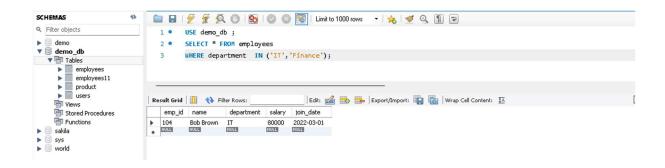


4) AND, IN BETWEEN & LIKE

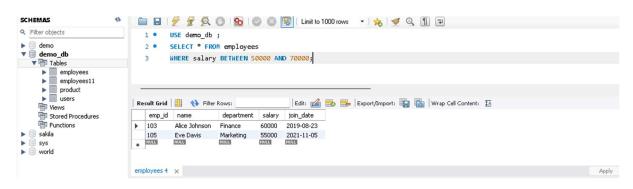
• SELECT * FROM employees WHERE department = 'IT' AND salary > 75000;



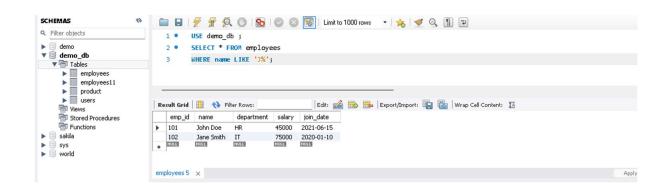
• SELECT * FROM employees WHERE department IN ('IT', 'Finance');



• SELECT * FROM employees WHERE salary BETWEEN 50000 AND 70000;



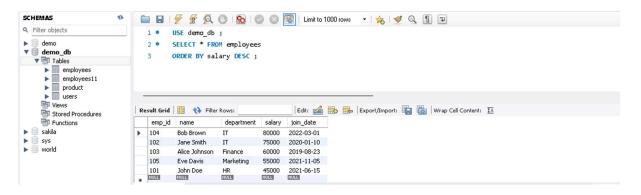
• SELECT * FROM employees WHERE name LIKE 'J%'; -- Names starting with J



5) CLAUSE -ORDER BY, WHERE, HAVING

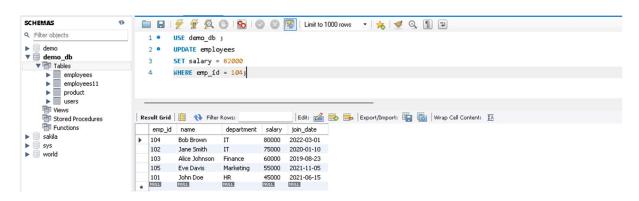
SELECT * FROM employees

ORDER BY salary DESC;

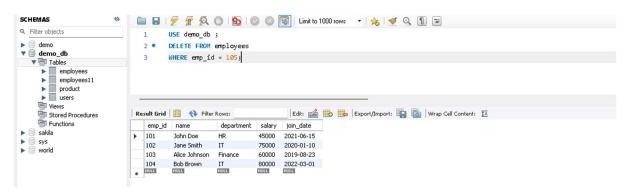


6) <u>UPDATE QUERY</u>

UPDATE employees
 SET salary = 82000
 WHERE emp id = 104;

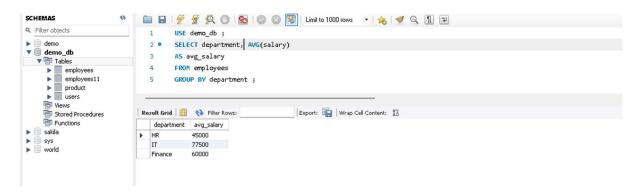


 DELETE FROM employees WHERE emp_id = 105;



SELECT department, AVG(salary) AS avg_salary

FROM employees GROUP BY department;



 SELECT department, COUNT(*) AS emp_count FROM employees GROUP BY department HAVING COUNT(*) > 1;

