**NAME: Darshan Indore**

**PRN: 202401080050**

1. **####Create table**

**CREATE TABLE employees (**

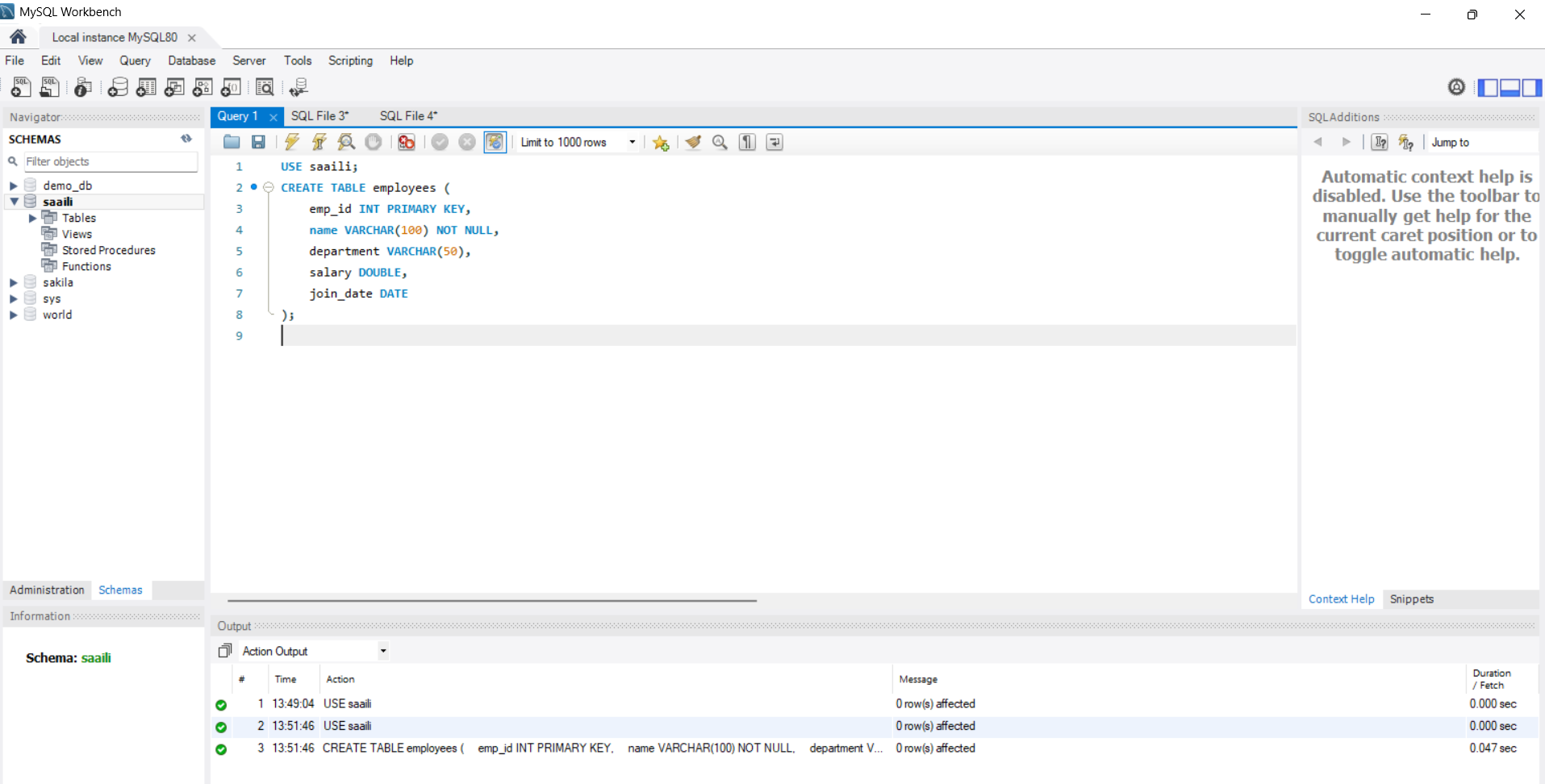
**emp\_id INT PRIMARY KEY,**

**name VARCHAR(100) NOT NULL,**

**department VARCHAR(50),**

**salary DOUBLE,**

**join\_date DATE**



**(2)####INERT data**

**INSERT INTO employees (emp\_id, name, department, salary, join\_date) VALUES**

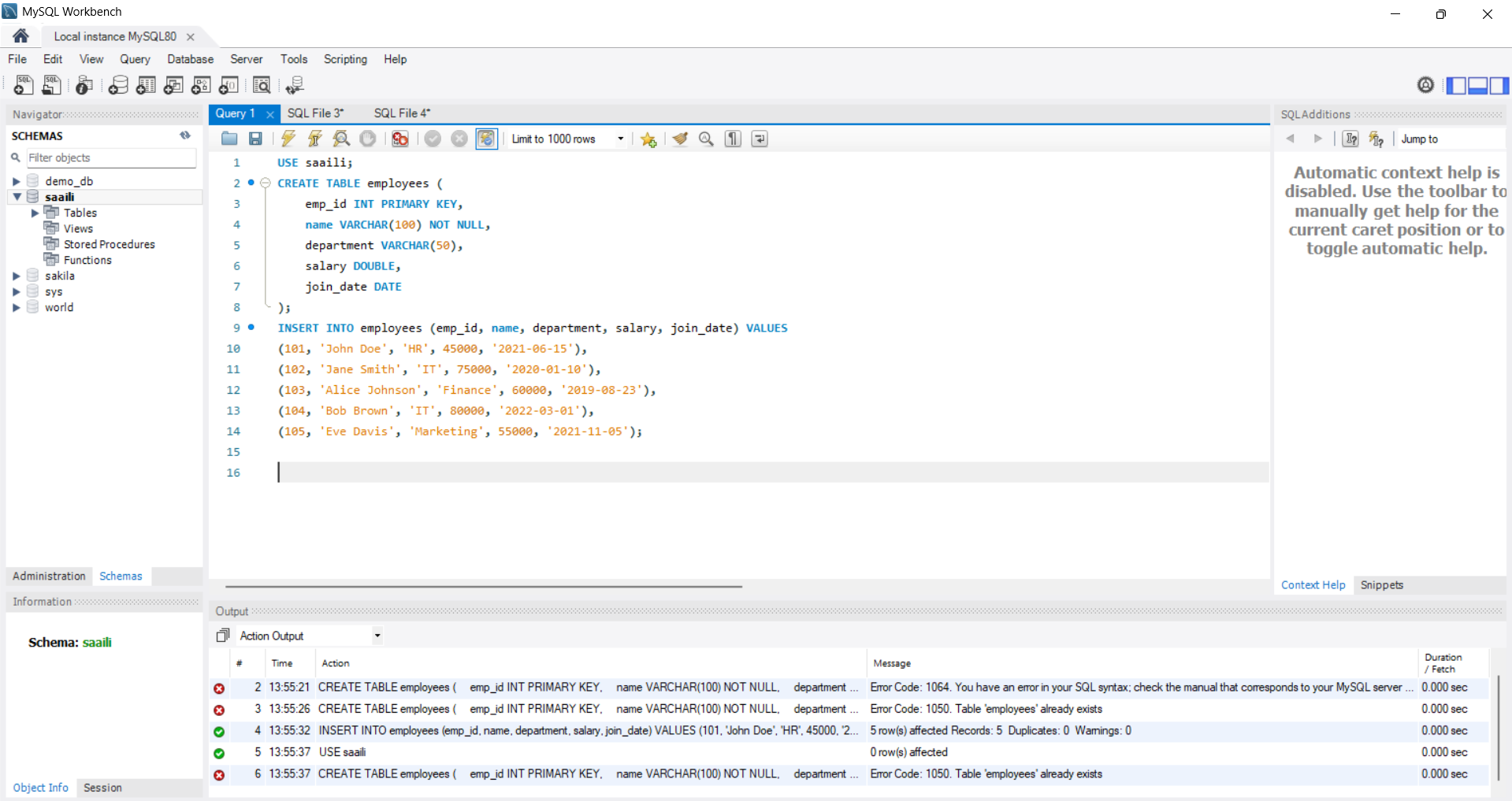
**(101, 'John Doe', 'HR', 45000, '2021-06-15'),**

**(102, 'Jane Smith', 'IT', 75000, '2020-01-10'),**

**(103, 'Alice Johnson', 'Finance', 60000, '2019-08-23'),**

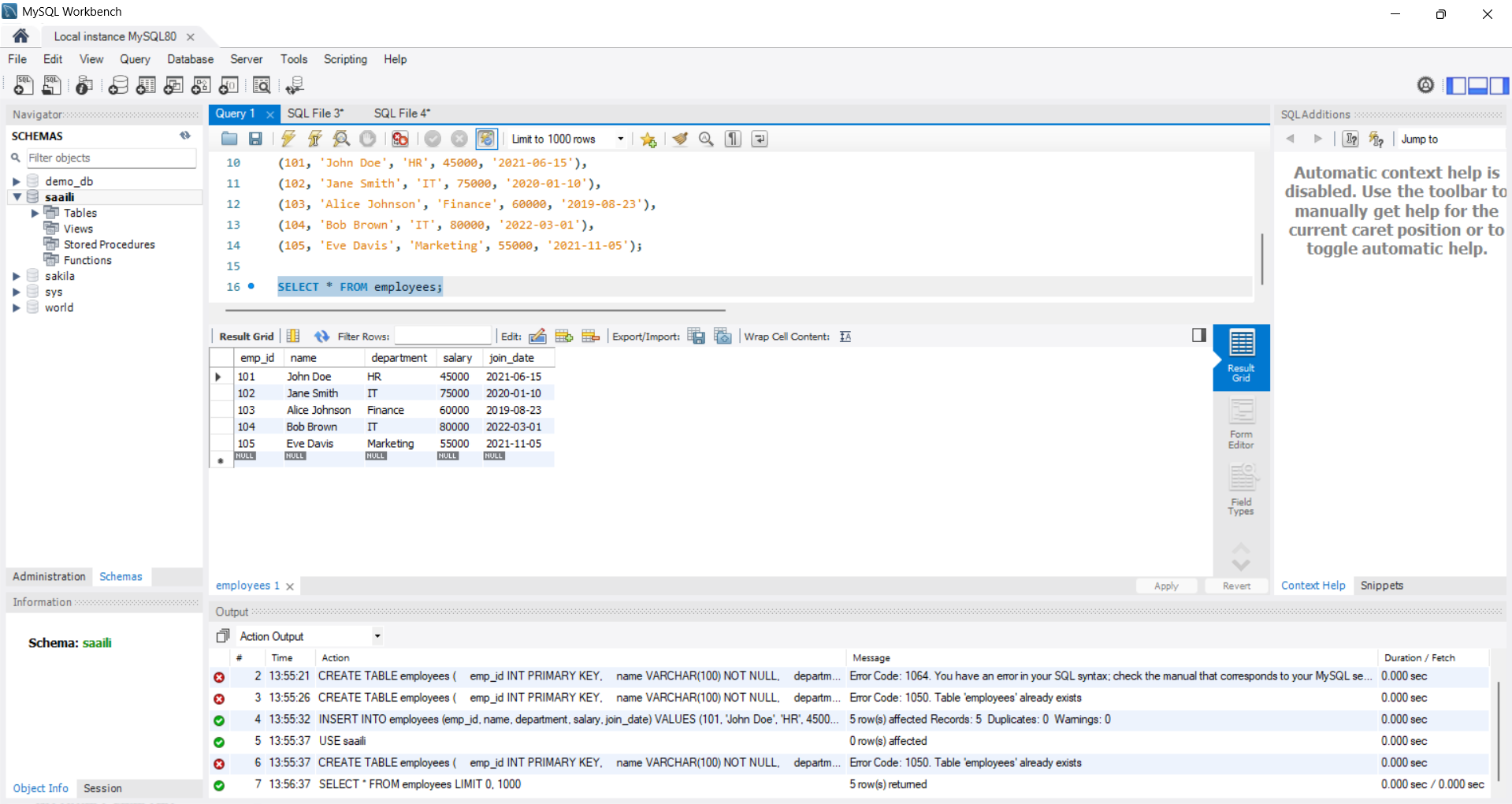
**(104, 'Bob Brown', 'IT', 80000, '2022-03-01'),**

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

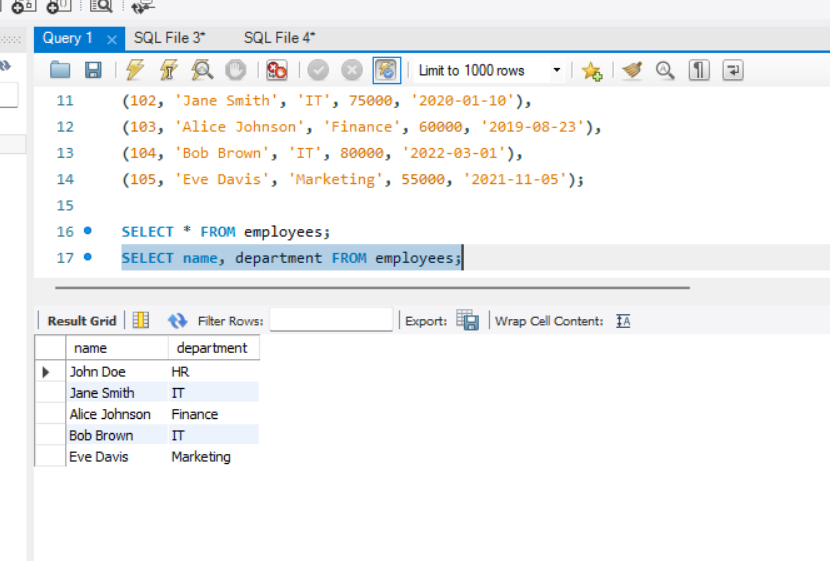


**####QUERY**

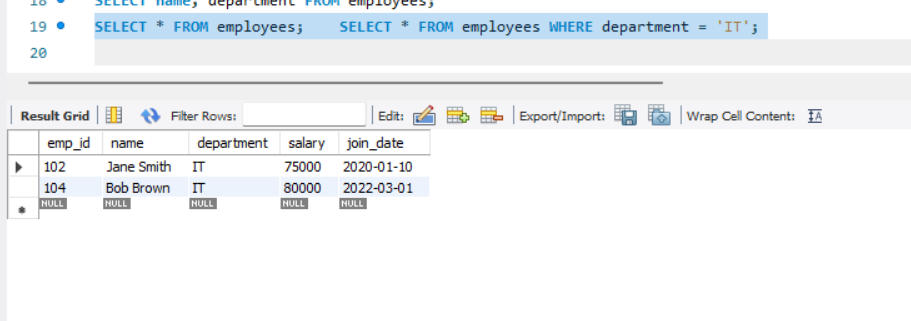
**(3) SELECT \* FROM employees;**



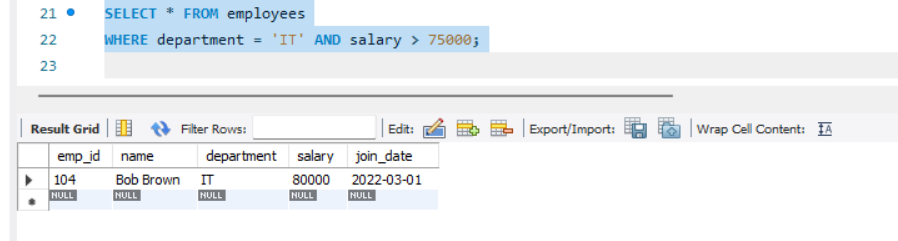
**(4)** **SELECT name, department FROM employees;**



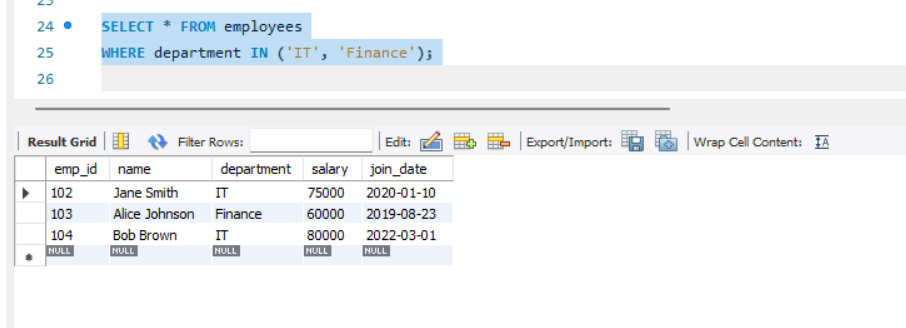
**(5) SELECT \* FROM employees WHERE department = 'IT';**



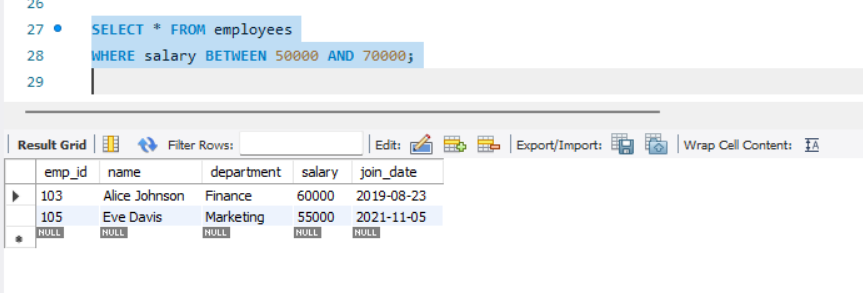
* **(6) SELECT \* FROM employees WHERE department = 'IT' AND salary > 75000;**



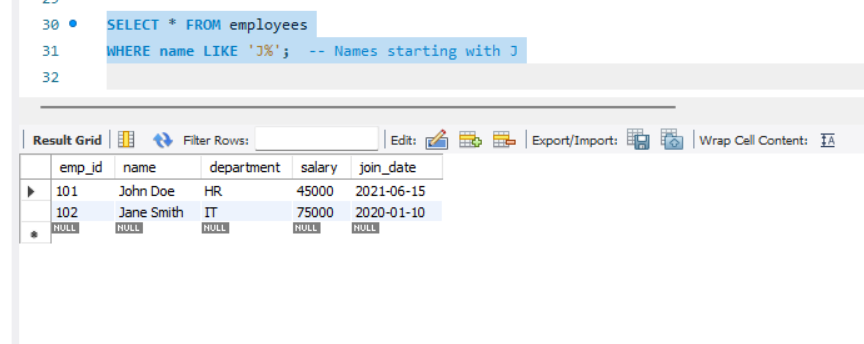
**(7)SELECT \* FROM employees WHERE department IN ('IT', 'Finance');**



* **(8) SELECT \* FROM employees WHERE salary BETWEEN 50000 AND 70000;**

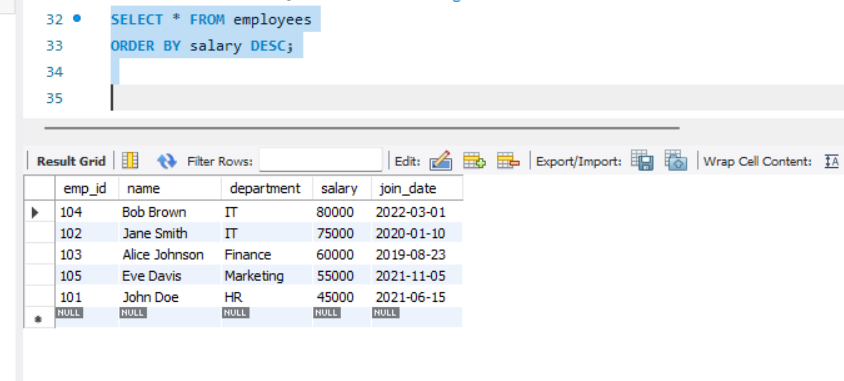


* **(9) SELECT \* FROM employees WHERE name LIKE 'J%';**



**(10) SELECT \* FROM employees**

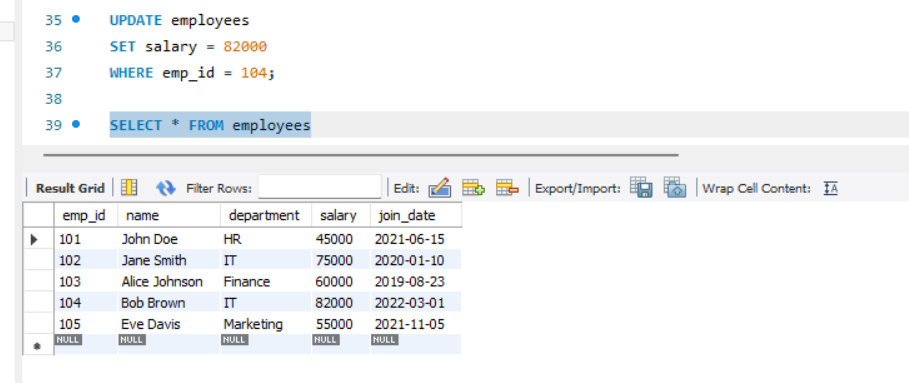
**ORDER BY salary DESC;**



* **(11) UPDATE employees**

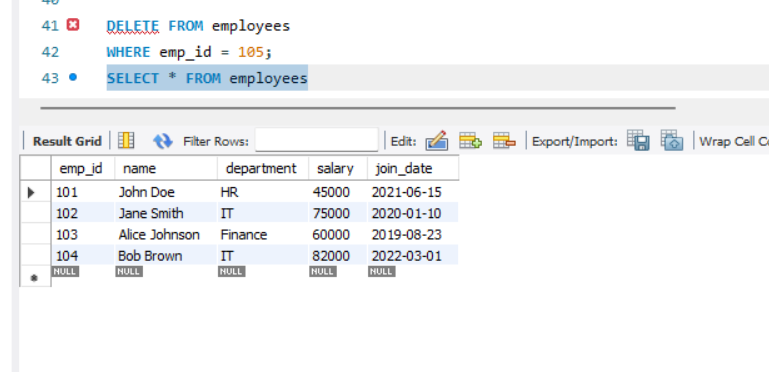
**SET salary = 82000**

**WHERE emp\_id = 104;**



* **(12) DELETE FROM employees**

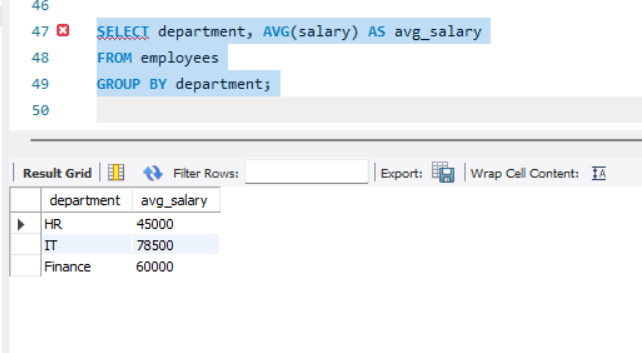
**WHERE emp\_id = 105;**



**(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;**

