SQLITE

228 SYBCA B

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ASSIGNMENT I

ASSIGNMENT I TABLES:
1. DEPARTMENT 2. EMPLOYEE

CREATE TABLE employee(emp_no NUMBER(4), emp_name VARCHAR(10), address VARCHAR(20), designation VARCHAR(9), SAL NUMBER(7,2), dept_no NUMBER(2) references department(dept_no));

INSERT INTO employee VALUES(101,'jeny','vapi','clerk',11000,1);

INSERT INTO employee VALUES(102,"mahek","surat","teacher",7000,2);

INSERT INTO employee VALUES(103,"yani","bharuch","lawyer",16000,3);

INSERT INTO employee VALUES(102,"mahi","nari","sales",5000,4);

INSERT INTO employee VALUES(104,"demmi","mahesana","clerk",21000,5);

INSERT INTO employee VALUES(801,"surbhi","ahemdabad","teacher",10000,6);

INSERT INTO employee VALUES(106,"krinal","surat","lawyer",12000,7);

INSERT INTO employee VALUES(108,"meera","vadodara","sales",11000,8);

INSERT INTO employee VALUES(102,"rummi","vapi","clerk",25000,9);

INSERT INTO employee VALUES(110,"mr.sawant","surat","s.w",22000,10);

Select * from employee;

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CREATE TABLE department(dept_no number(2) primary key,
dept_name VARCHAR(50),
location VARCHAR(100));

INSERT INTO department VALUES(1,'Finance','Surat');
INSERT INTO department VALUES(2,'admin','vadodra');
INSERT INTO department VALUES(3,'Computer','vapi');
INSERT INTO department VALUES(4,'Marketing','vyara');
INSERT INTO department VALUES(5,'IT','Bombay');
INSERT INTO department VALUES(6,'admin','junagadh');
INSERT INTO department VALUES(7,'HR','chennai');
INSERT INTO department VALUES(8,'Finance','Bhavnagar');
INSERT INTO department VALUES(9,'Computer','surat');
INSERT INTO department VALUES(10,'IT','Kolakata');

Select * from department;
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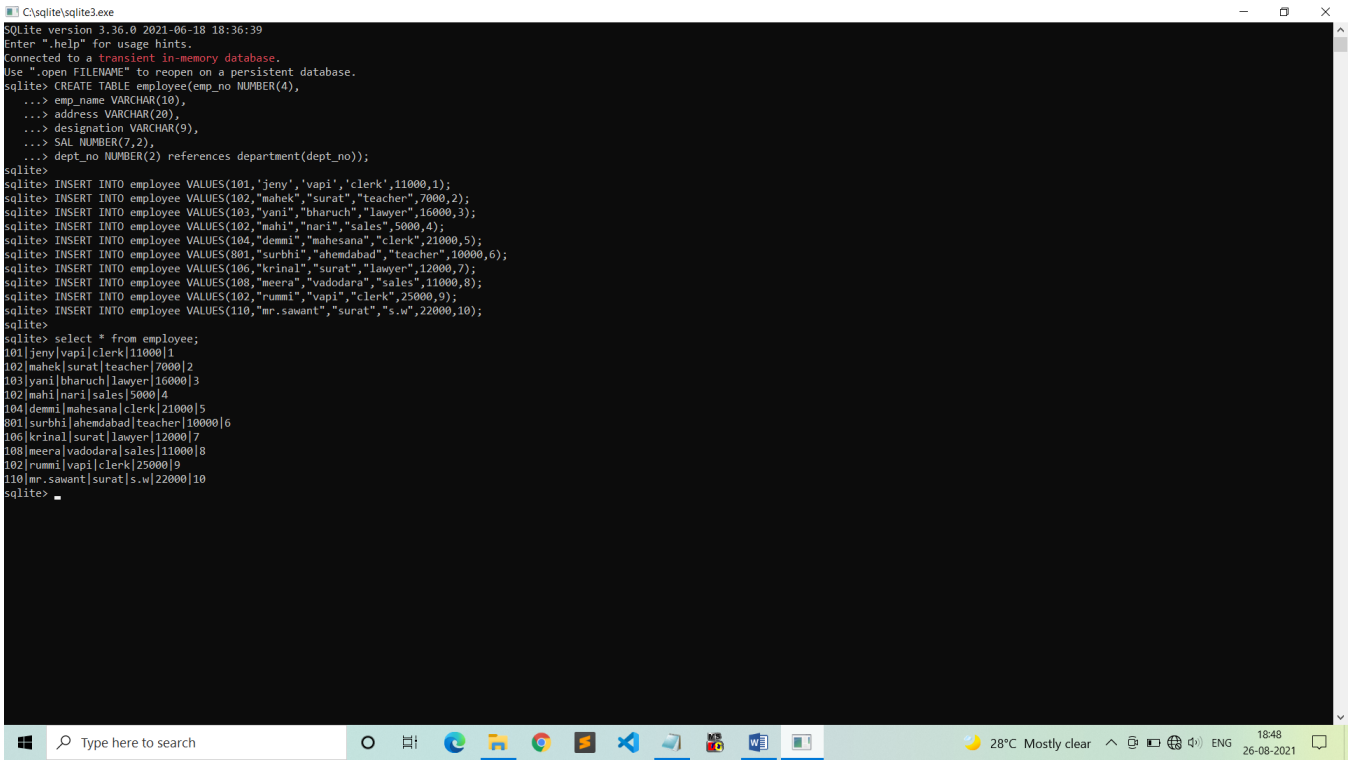
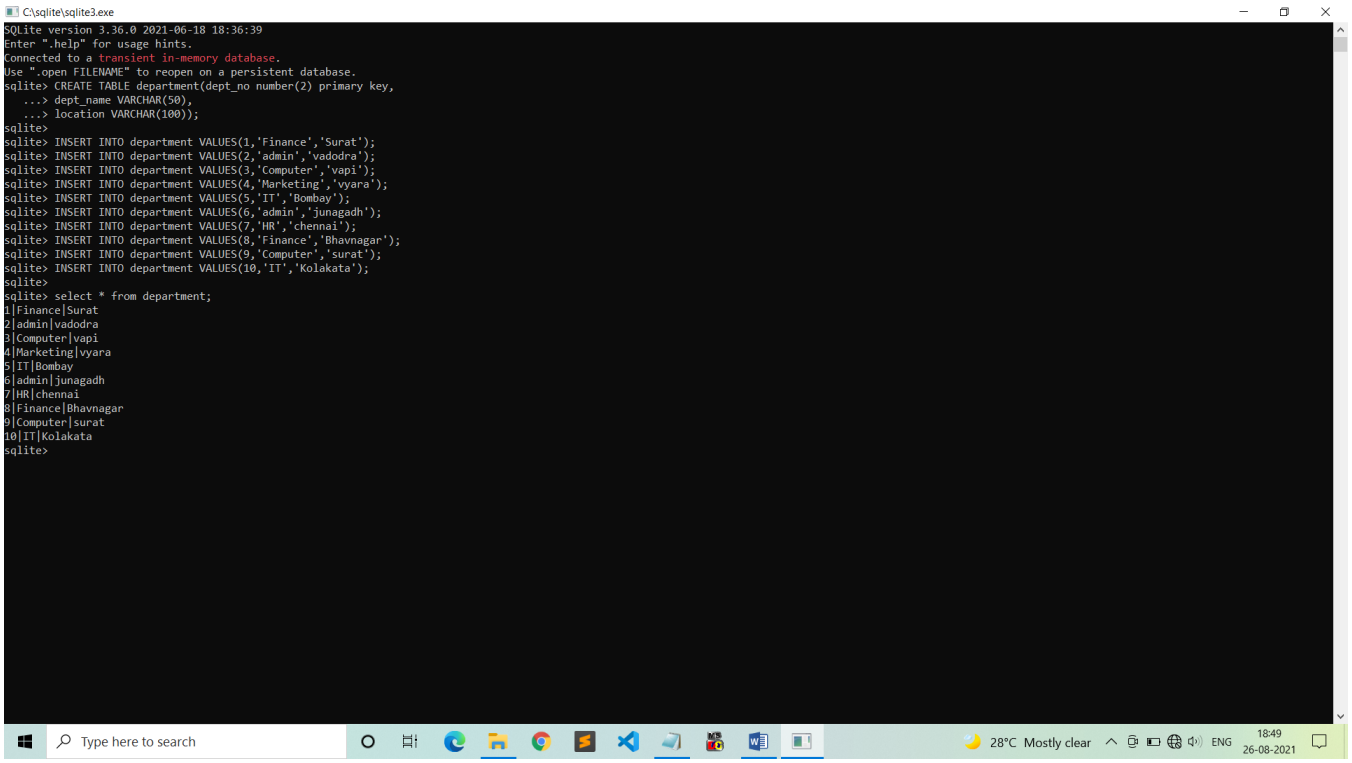
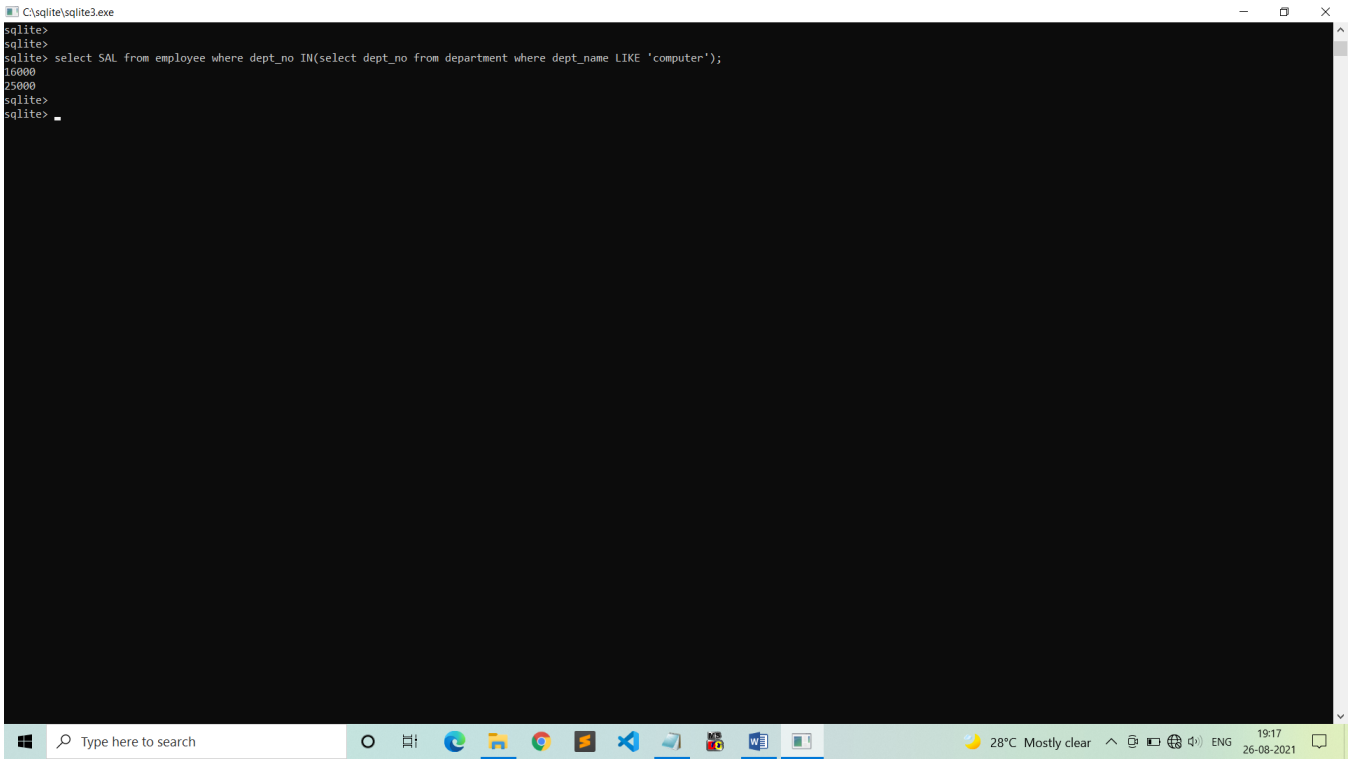
SQLite PROGRAM





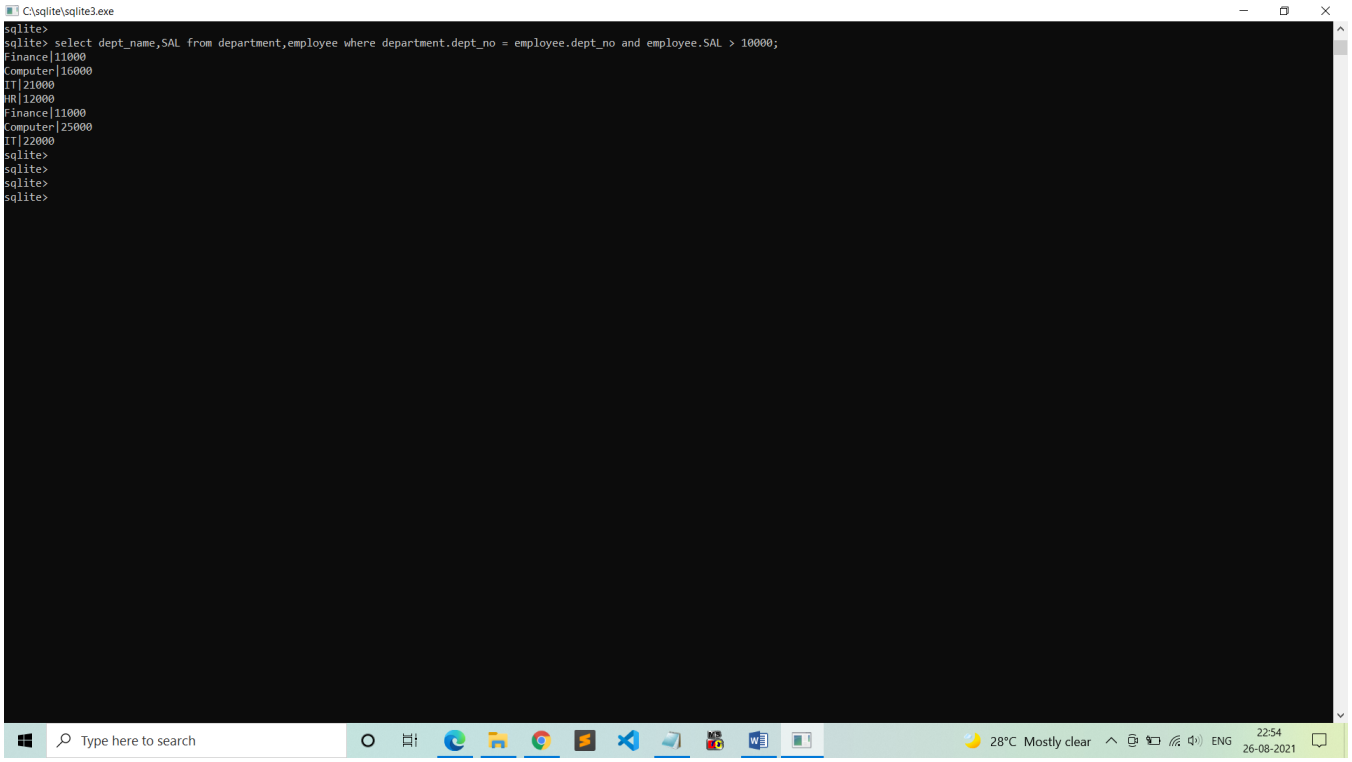
1. FIND TOTAL SALARY OF ALL COMPUTER DEPARTMENT EMPLOYEE

QUERY: select SAL from employee where dept_no IN(select dept_no from department where dept_name LIKE 'computer');



2. FIND THE NAME OF DEPARTMENT WHOSE SALARY IS ABOVE IS 1000

QUERY: select dept_name,SAL from department,employee where department.dept_no = employee.dept_no and employee.SAL > 10000;

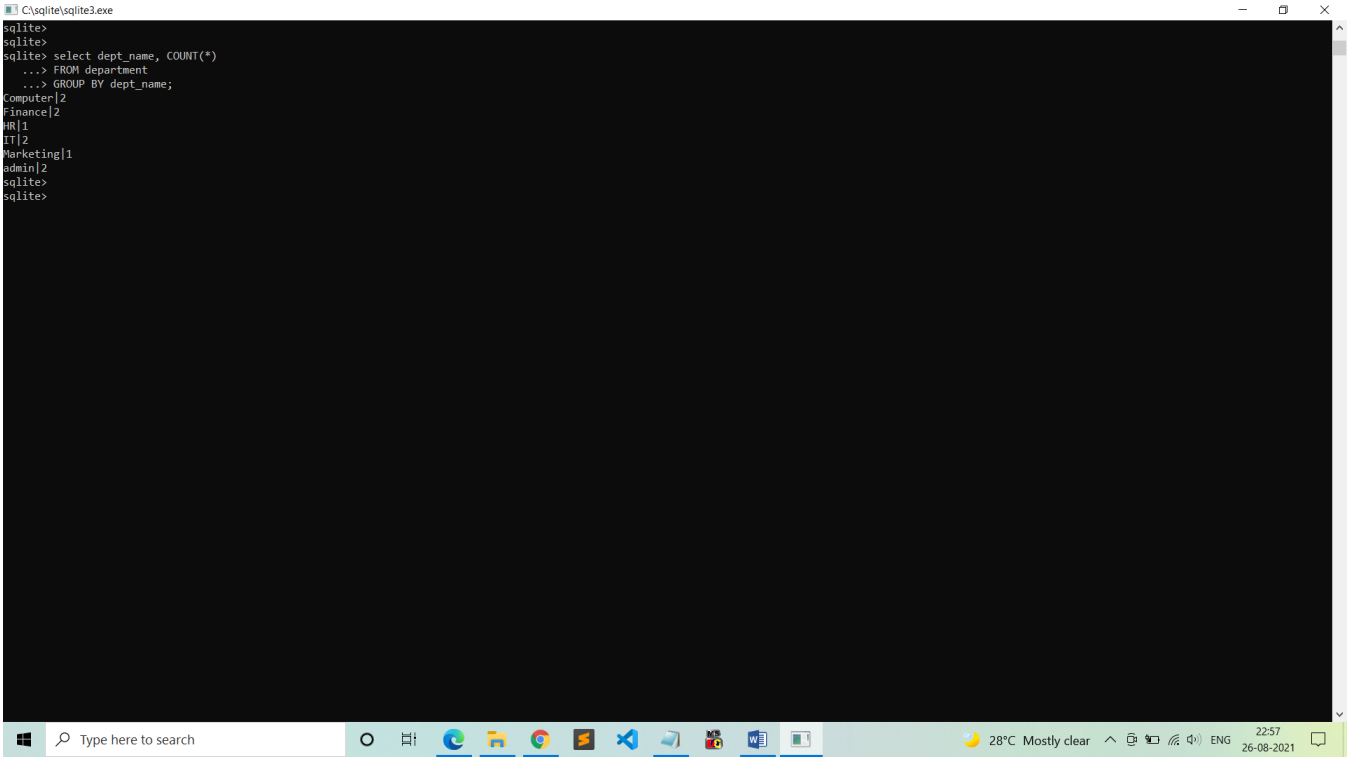


3. COUNT THE NUMBER OF EMPLOYEES IN EACH DEPARTMENT

QUERY: select dept_name, COUNT(*)

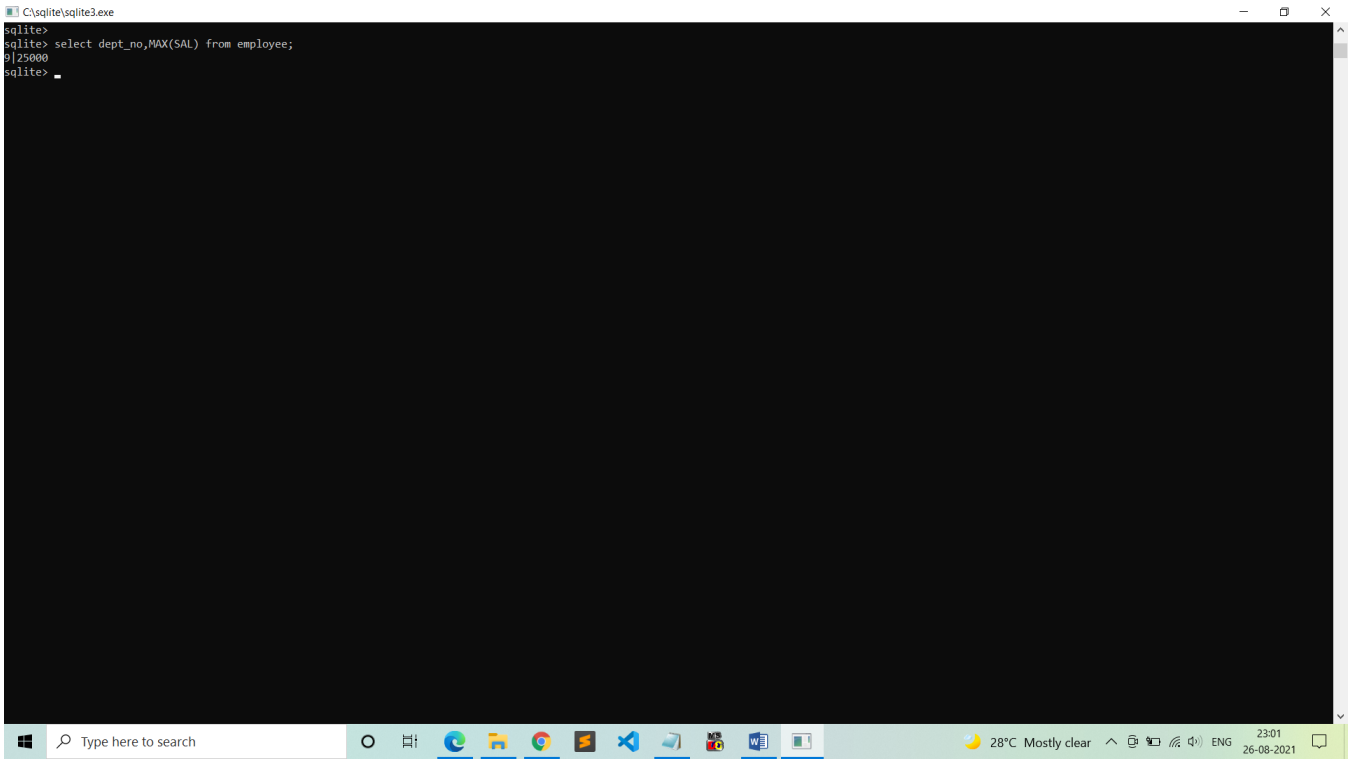
...> FROM department

...> GROUP BY dept_name;



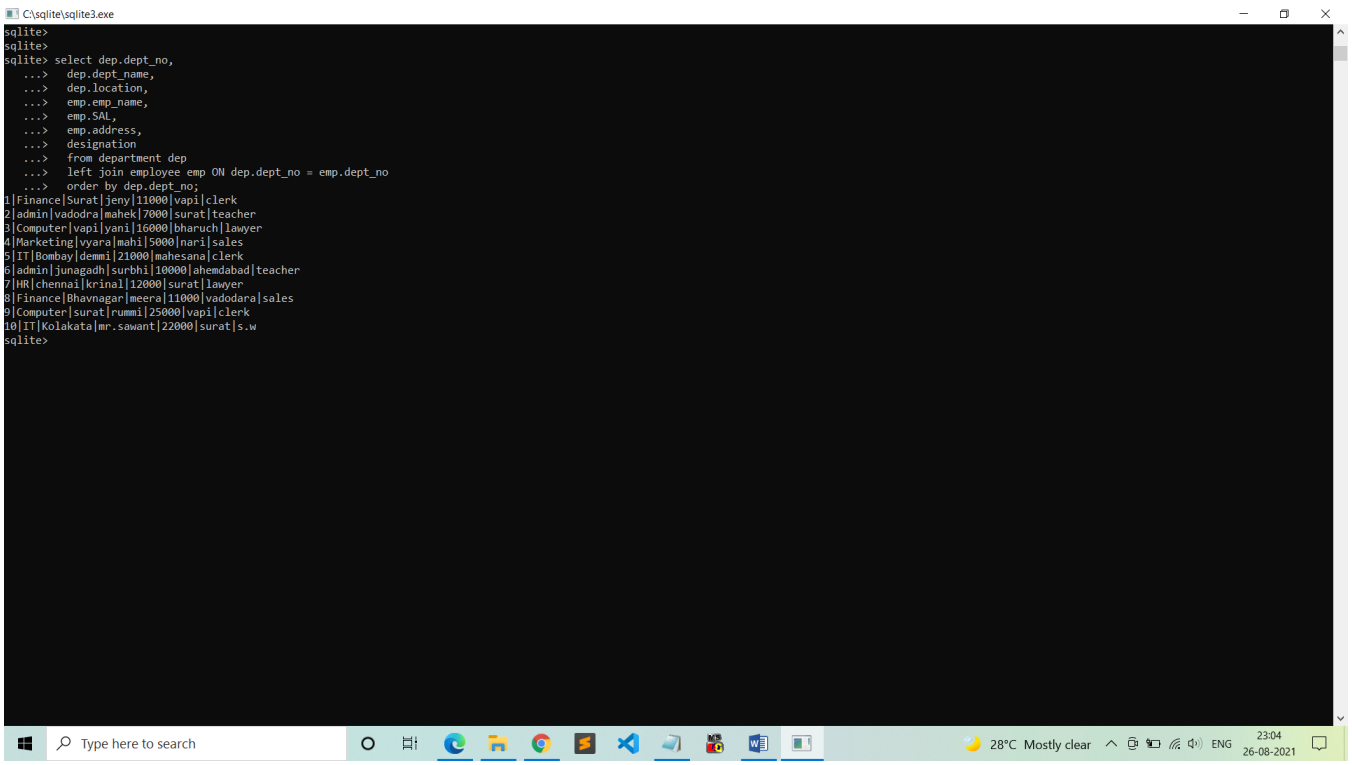
4. DISPLAY THE MAXIMUM SALARY OF EACH DEPARTMENT

QUERY: select dept_no,MAX(SAL) from employee;



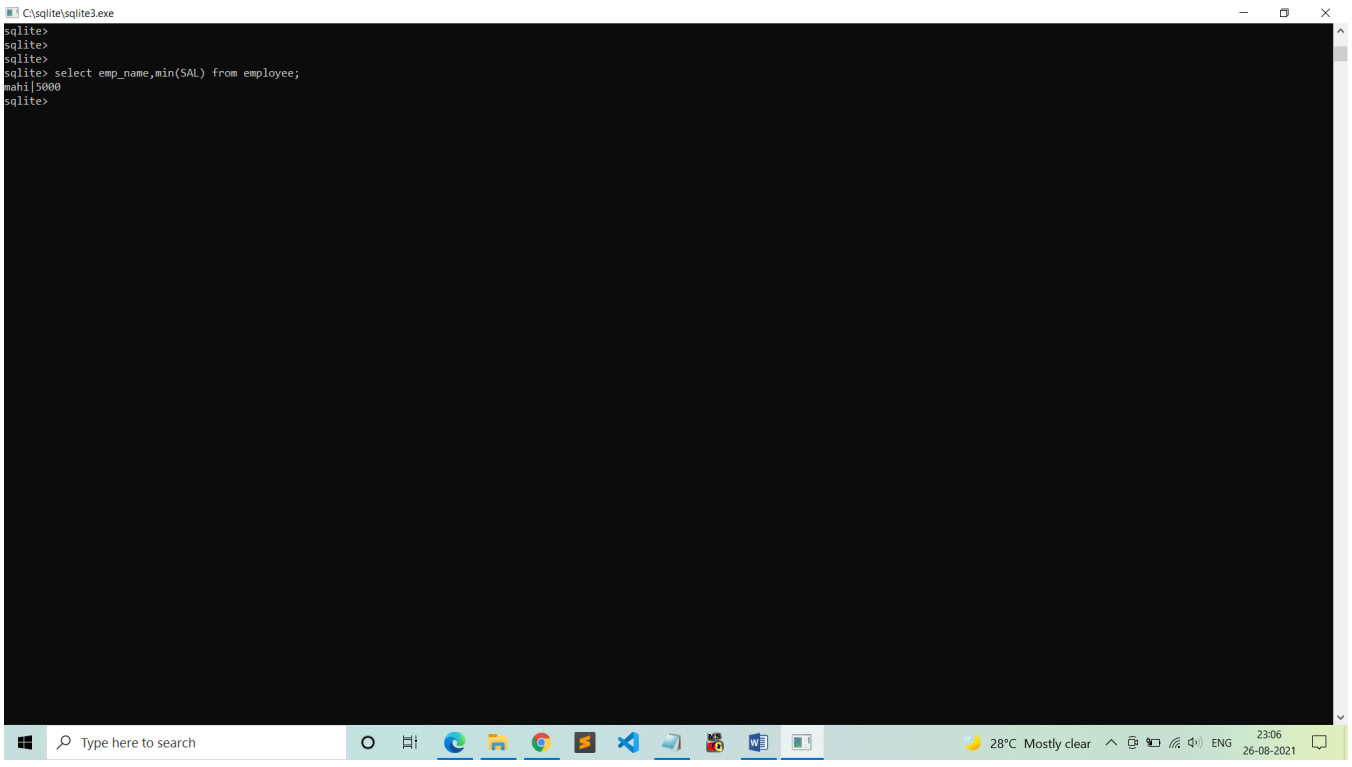
5. DISPLAY DEPARTMENT WISE EMPLOYEE LIST

QUERY: select dep.dept_no, dep.dept_name, dep.location, emp.emp_name, emp.SAL, emp.address, designation from department dep left join employee emp ON dep.dept_no = emp.dept_no order by dep.dept_no;



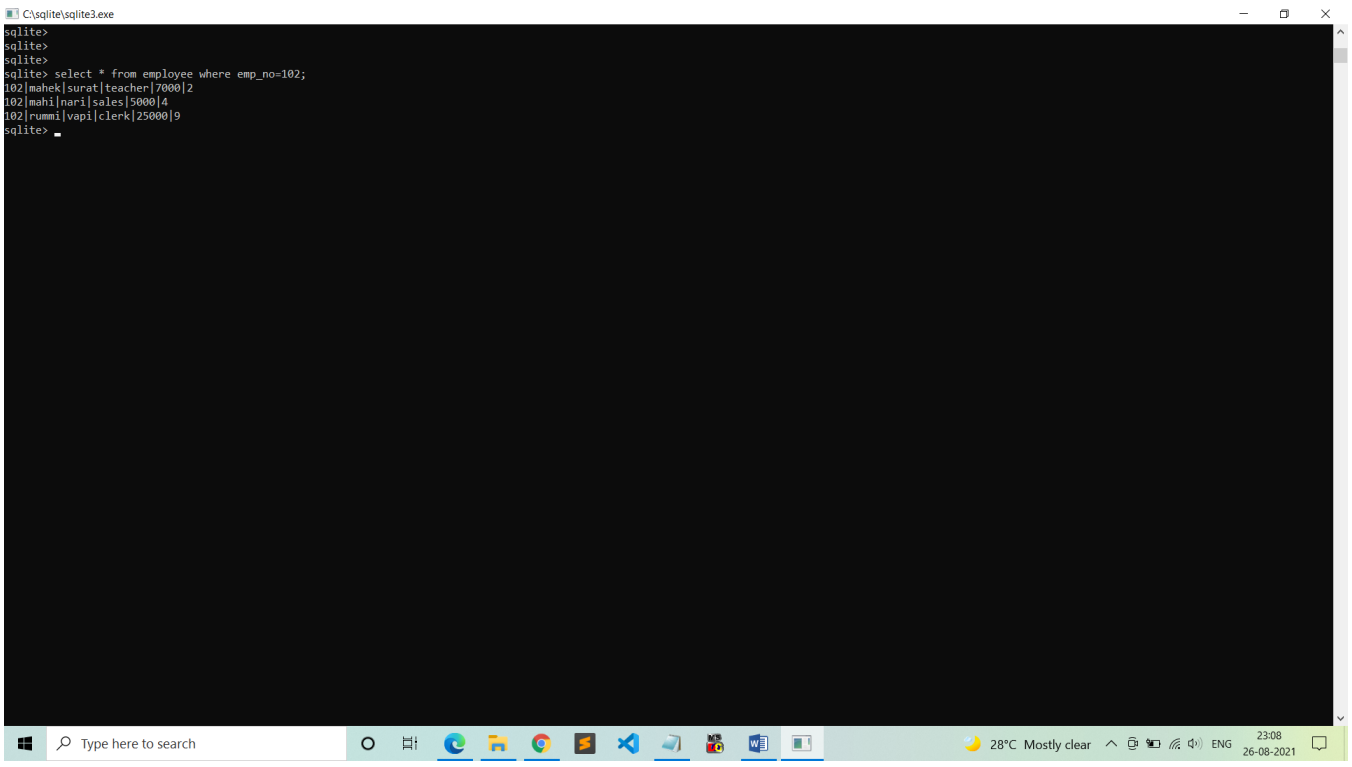
6. DISPLAY THE NAME OF EMPLOYEE WHO HAS MINIMUM SALARY

QUERY: select emp_name,min(SAL) from employee;



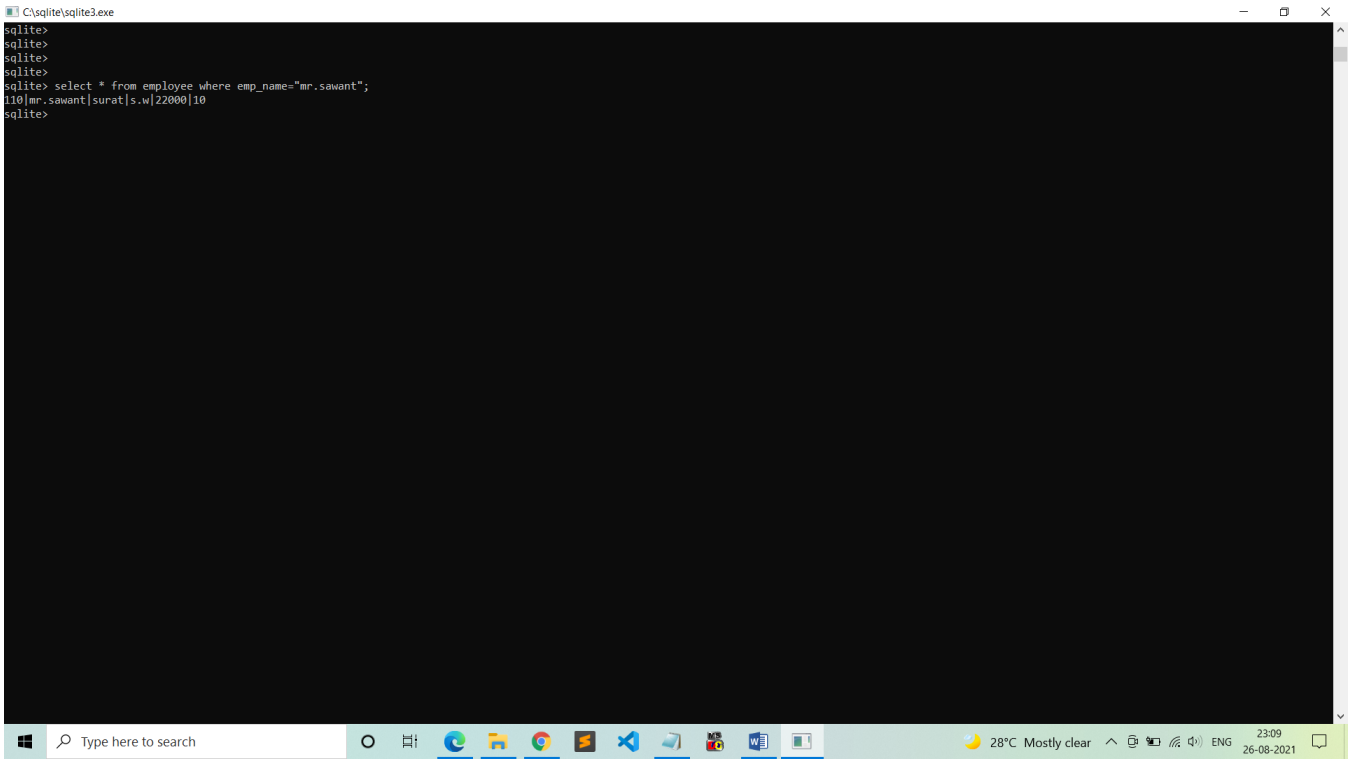
7. DISPLAY ALL THE DETAILS OF EMPLOYEE ID 102

QUERY: select * from employee where emp_no=102;



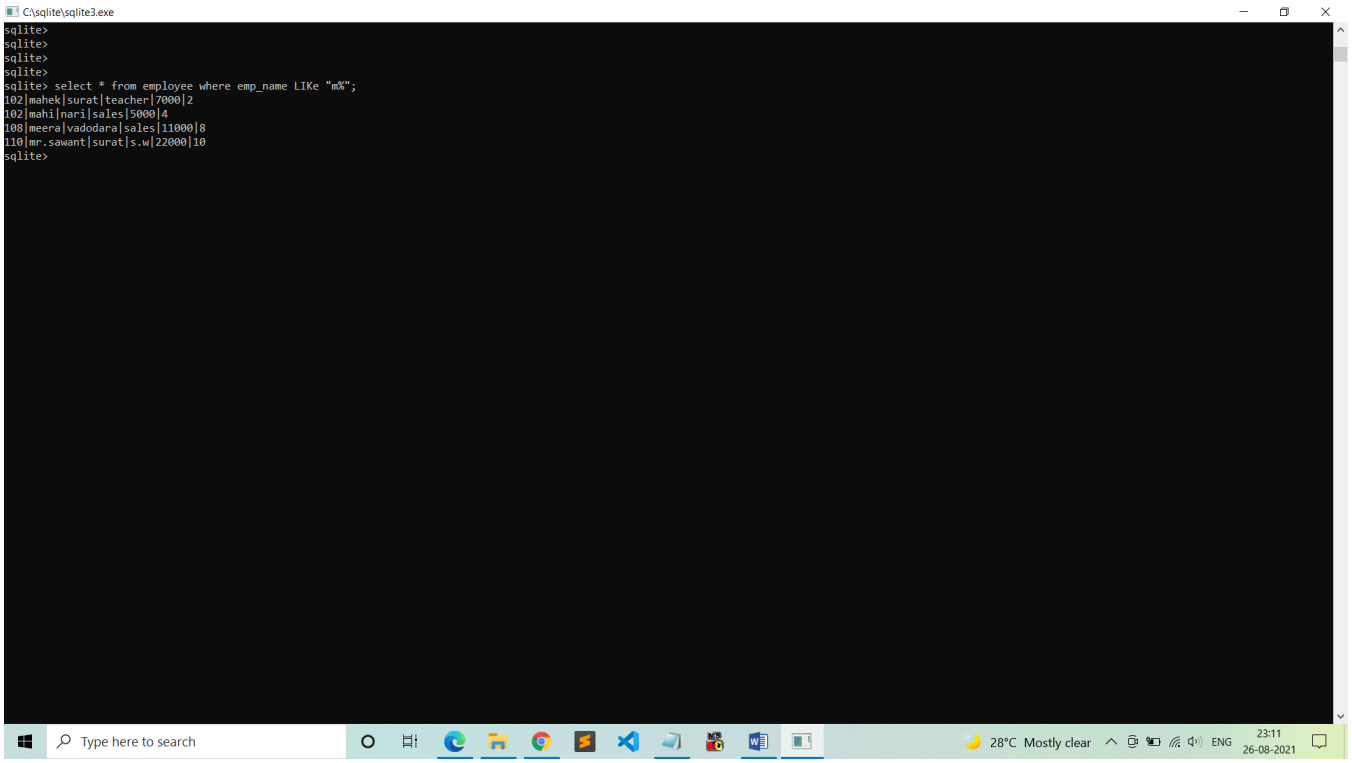
8. DISPLAY ALL THE DETAILS OF MR. SAWANT

QUERY: select * from employee where emp_name="mr.sawant";



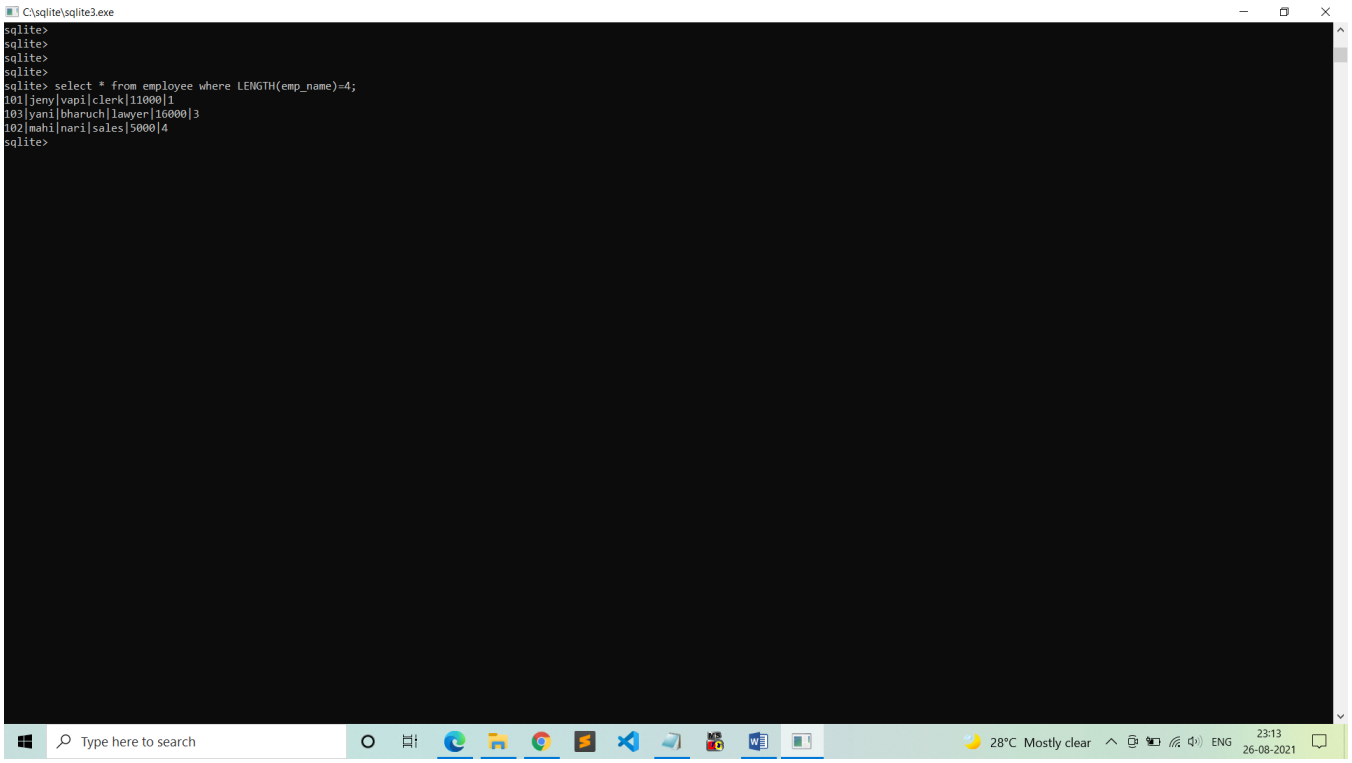
9. DISPLAY EMPLOYEES WHOSE NAME START WITH ‘M’

QUERY: select * from employee where emp_name LIKE "m%";



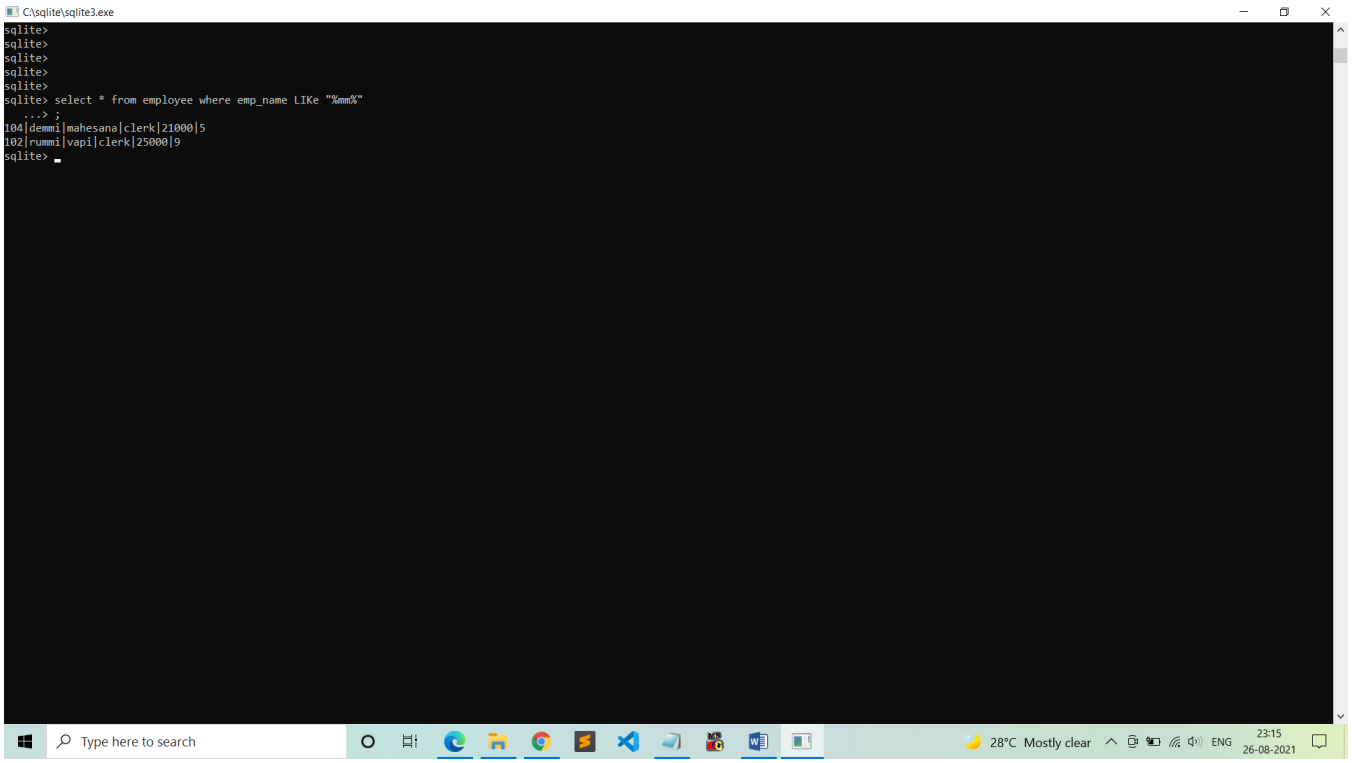
10. DISPLAY EMPLOYEES WHOSE NAME CONTAIN FOUR CHARACTER

QUERY: select * from employee where LENGTH(emp_name)=4;



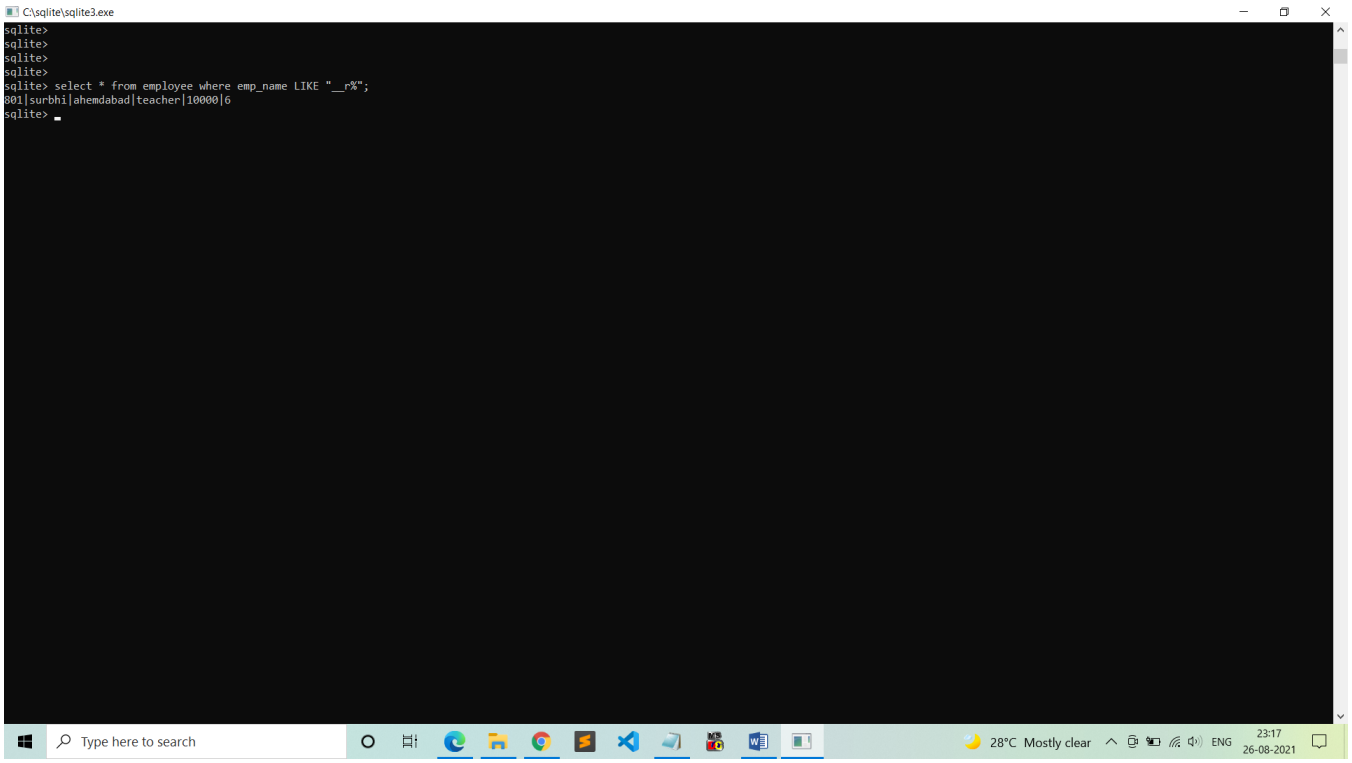
11. DISPLAY EMPLOYEES WHOSE NAME CONTAIN ‘MM’

QUERY: select * from employee where emp_name LIKE "%mm%";



12. DISPLAY EMPLOYEES WHOSE DEPARTMENT NAME 3RD CHARACTER IS ‘R’

QUERY: select * from employee where emp_name LIKE "__r%";

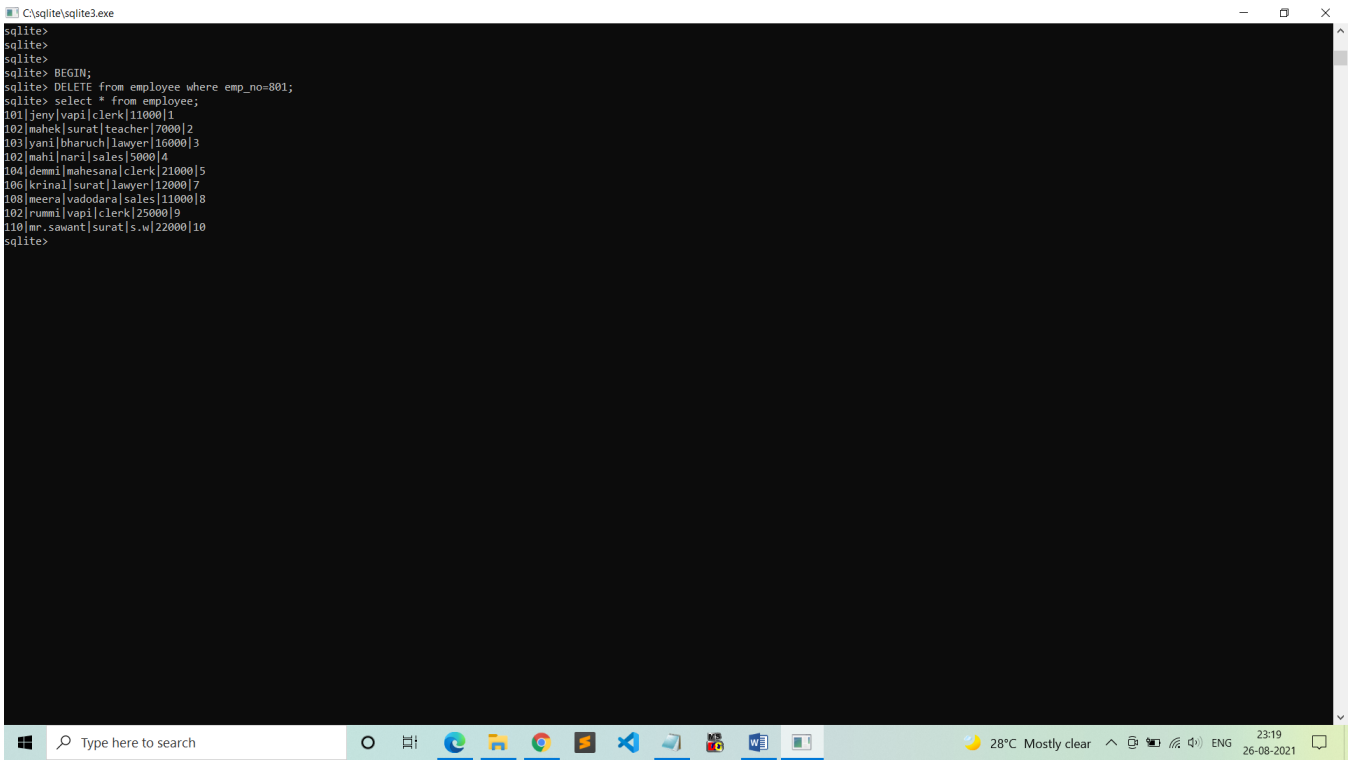


13. DELETE EMPLOYEE WHOSE EMP_NO IS 801 WITH TRANSACTION

QUERY: BEGIN;

DELETE from employee where emp_no=801;

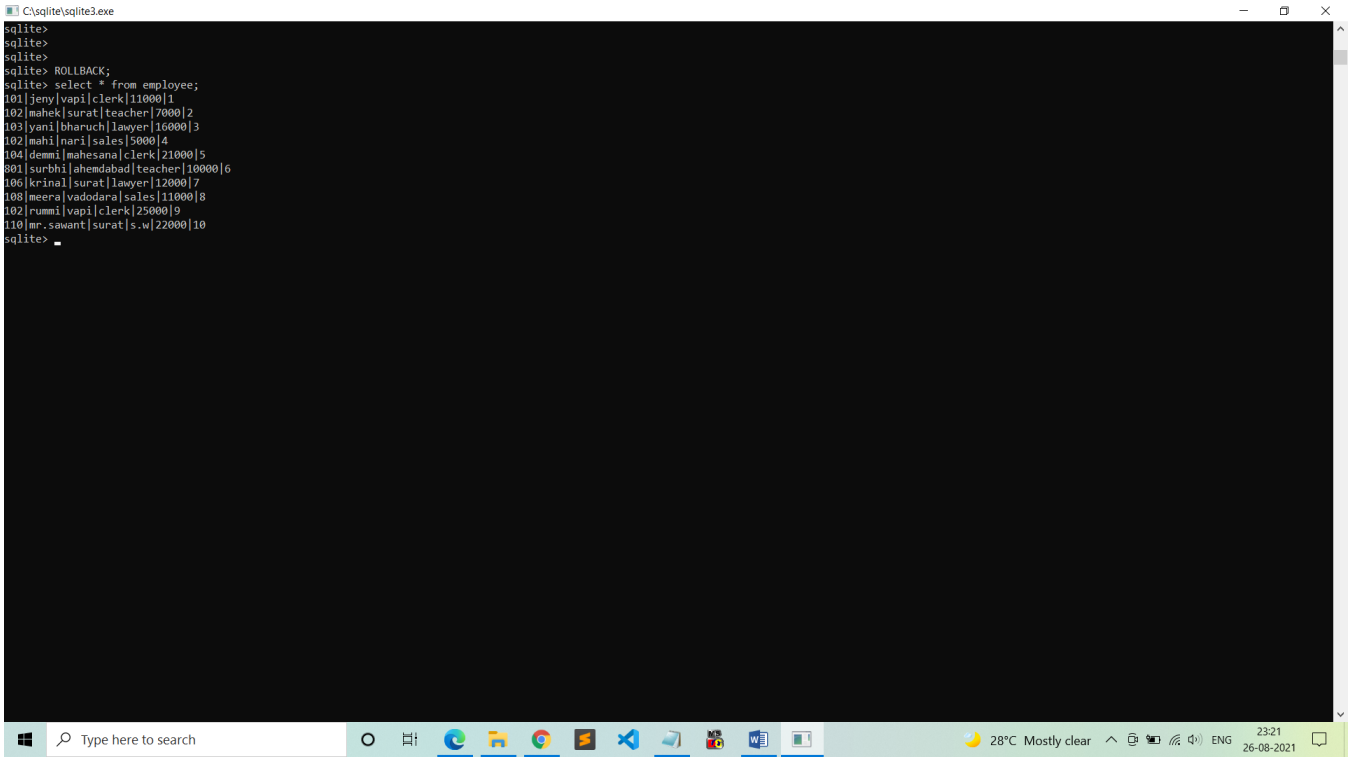
select * from employee;



14. ROLLBACK TRANSACTION

QUERY: ROLLBACK;

select * from employee;

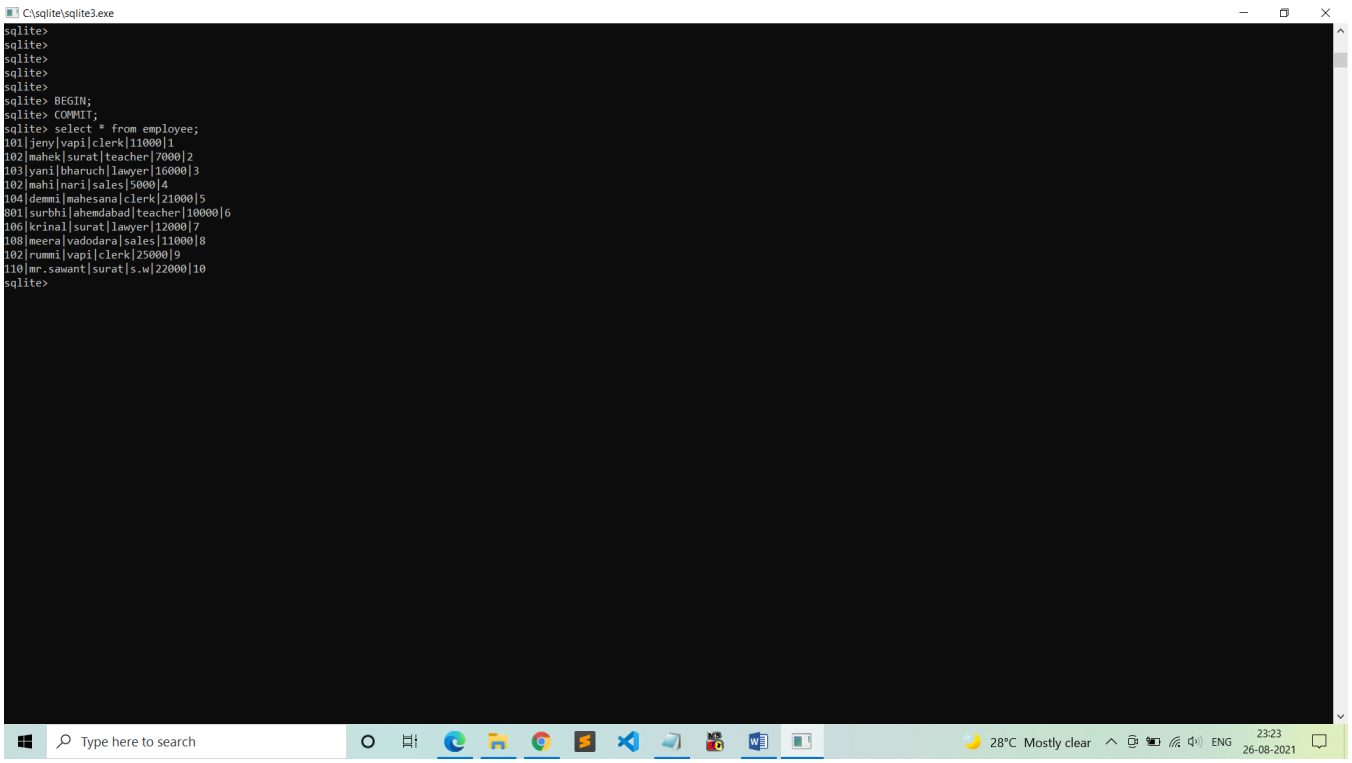


15. COMMIT TRANSACTION

QUERY: BEGIN;

COMMIT;

select * from employee;

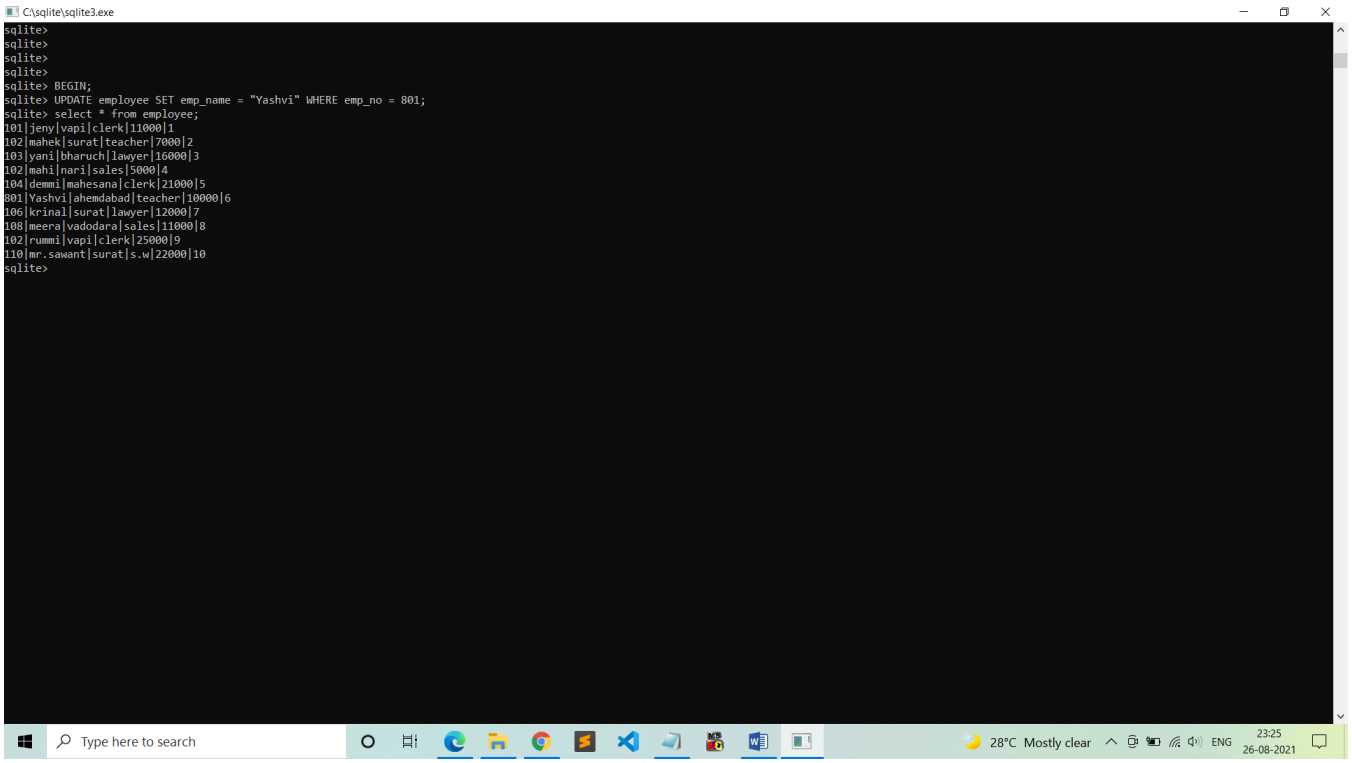


16. UPDATE EMPLOYEE NAME WHOSE EMP_NO IS 801 WITH TRANSACTION

QUERY: BEGIN;

UPDATE employee SET emp_name = "Yashvi" WHERE emp_no = 801;

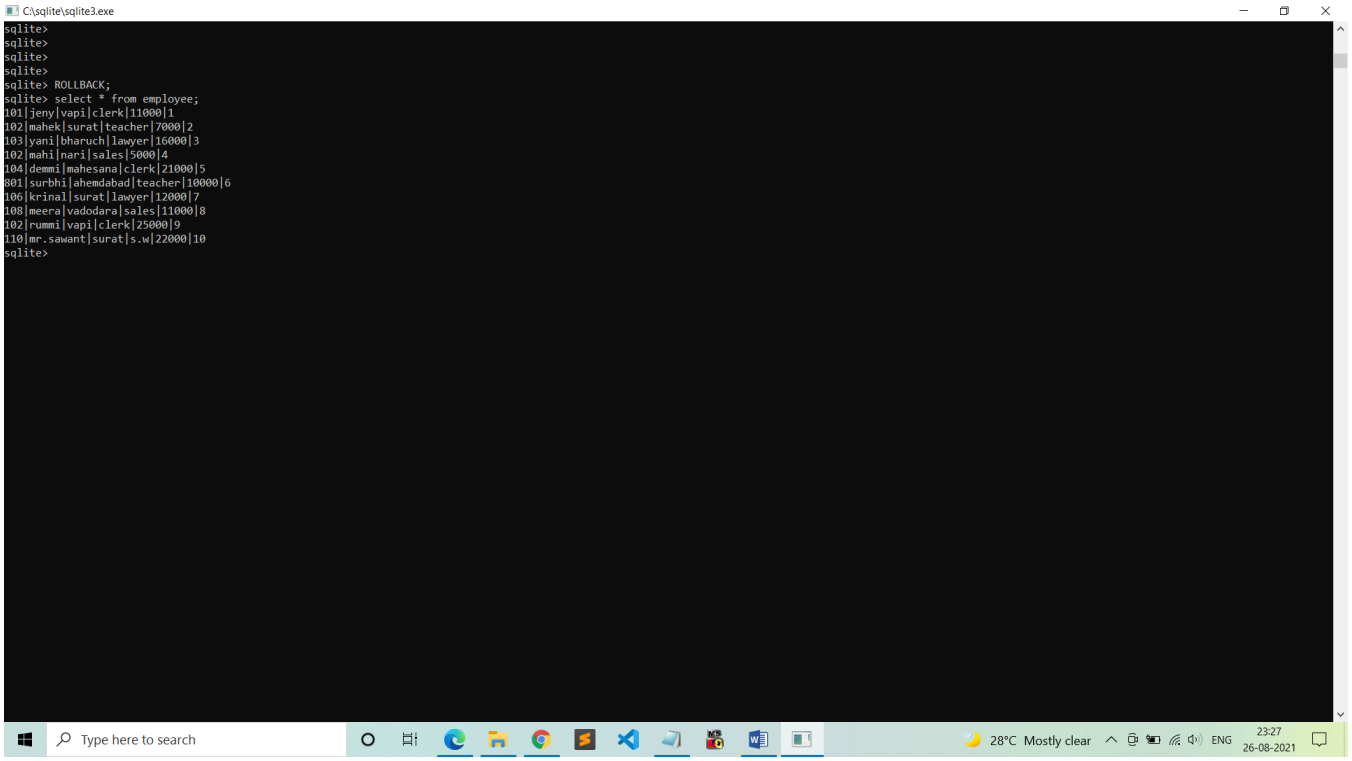
select * from employee;



17. ROLLBACK TRANSACTION

QUERY: ROLLBACK;

select * from employee;

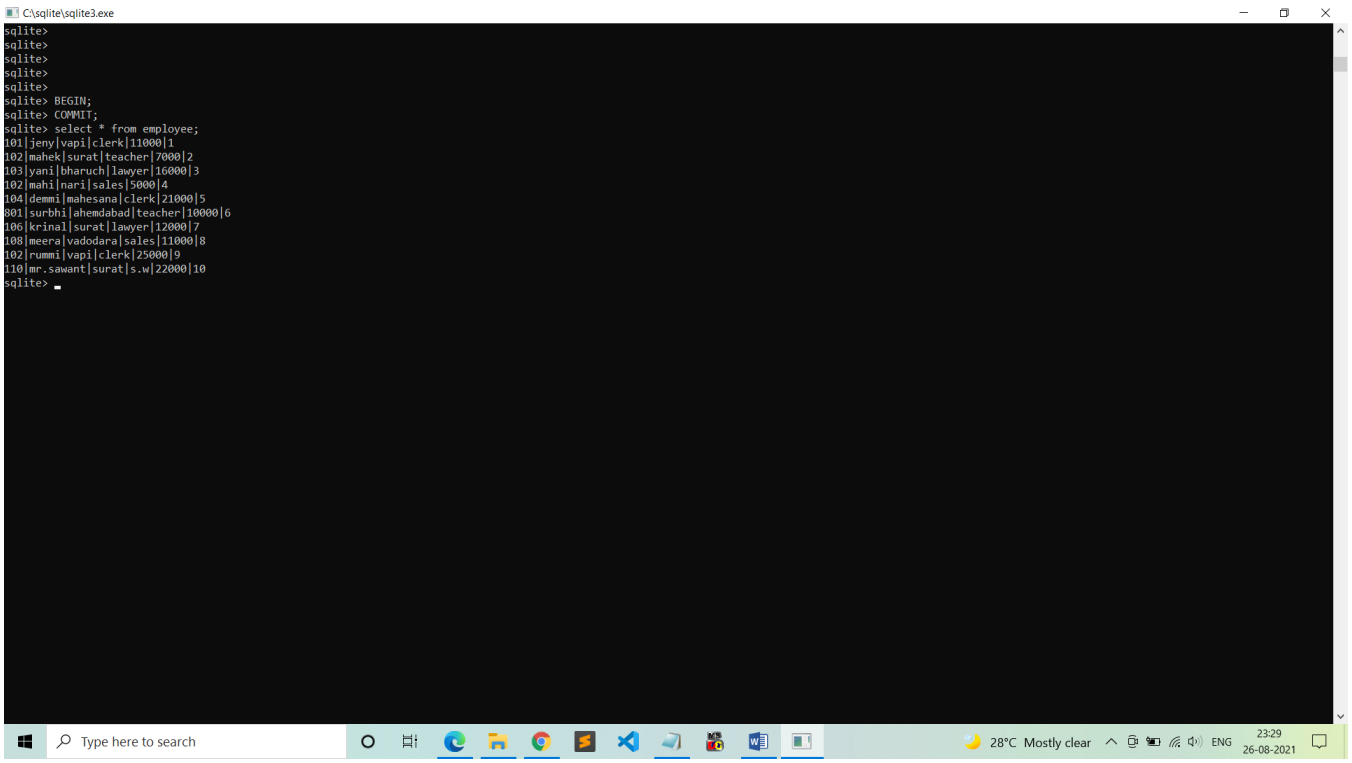


18. COMMIT TRANSACTION

QUERY: BEGIN;

COMMIT;

select * from employee;



THANK FOR WATHCHING MY SQL PROGRAM

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