CREATE DATABASE Frist\_assigement\_shailesh

CREATE TABLE Employee

(

EM\_ID int AUTO\_INCREMENT PRIMARY KEY,

FRIST\_NAME VARCHAR(100)NOT NULL,

LAST\_NAME VARCHAR(100) NOT NULL,

SALARY INT UNSIGNED NOT NULL,

JOINING\_DATE DATE,

DEPARTMENT TEXT);

SINGLE INSERT QUERY:-

INSERT INTO employee

(EM\_ID,FRIST\_NAME,LAST\_NAME,SALARY,JOINING\_DATE,DEPARTMENT)

VALUES

(1,"SHAILESH","PRAJAPATI",20000,"1994-05-01","BANKING")

INSERT INTO employee

VALUES

("","CHIRAG","PARMAR",30000,"1991-01-20","INSURANCE"),

("","AKASH","PATEL",35000,"1995-08-26","SERVICES"),

("","SANDIP","SOLANKI",50000,"1998-09-06","INSURANCE"),

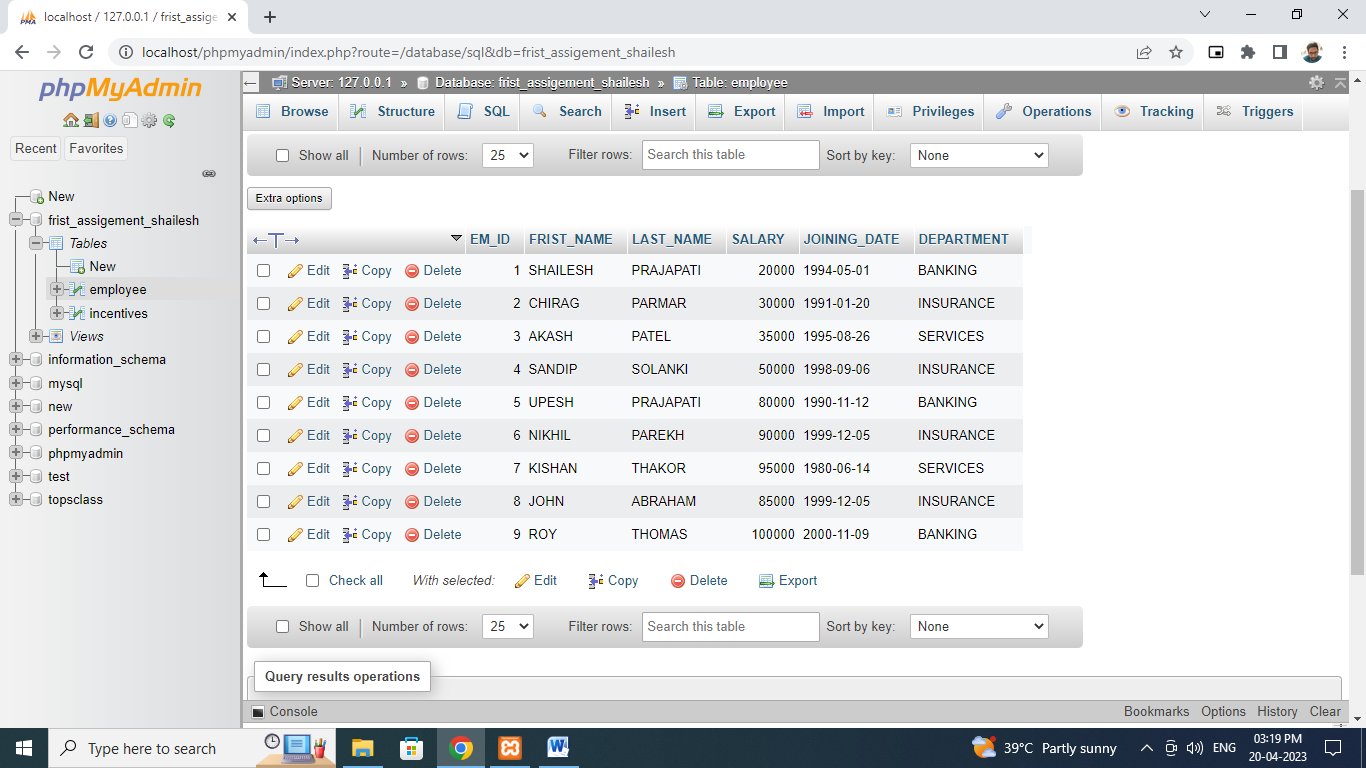
("","UPESH","PRAJAPATI",80000,"1990-11-12","BANKING"),

("","NIKHIL","PAREKH",90000,"1999-12-05","INSURANCE"),

("","KISHAN","THAKOR",95000,"1980-06-14","SERVICES"),

("","JOHN","ABRAHAM",85000,"1999-12-05","INSURANCE"),

("","ROY","THOMAS",100000,"2000-11-09","BANKING");



CREATE TABLE INCENTIVES(

INCENTIVE\_ID INT NOT NULL UNIQUE,

EMPLOYEE\_REF\_ID INT NOT NULL UNIQUE,

INCENTIVE\_DATE DATE,

INCENTIVE\_AMT INT) ;

INSERT INTO incentives VALUES

(1,1,"2023-02-01",5000),

(2,3,"2023-01-01",3000),

(3,5,"2023-02-01",3500),

(4,2,"2023-01-01",2500),

(5,4,"2023-03-01",4000),

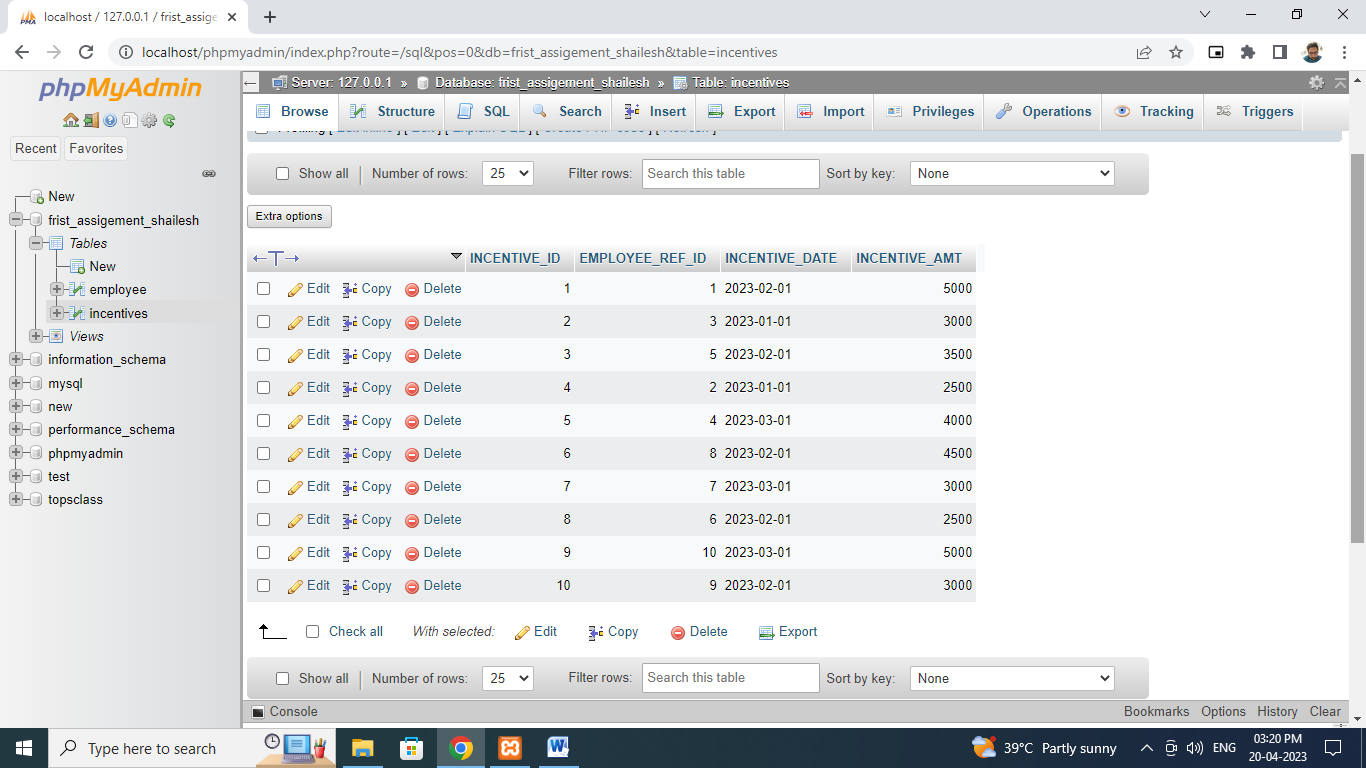
(6,8,"2023-02-01",4500),

(7,7,"2023-03-01",3000),

(8,6,"2023-02-01",2500),

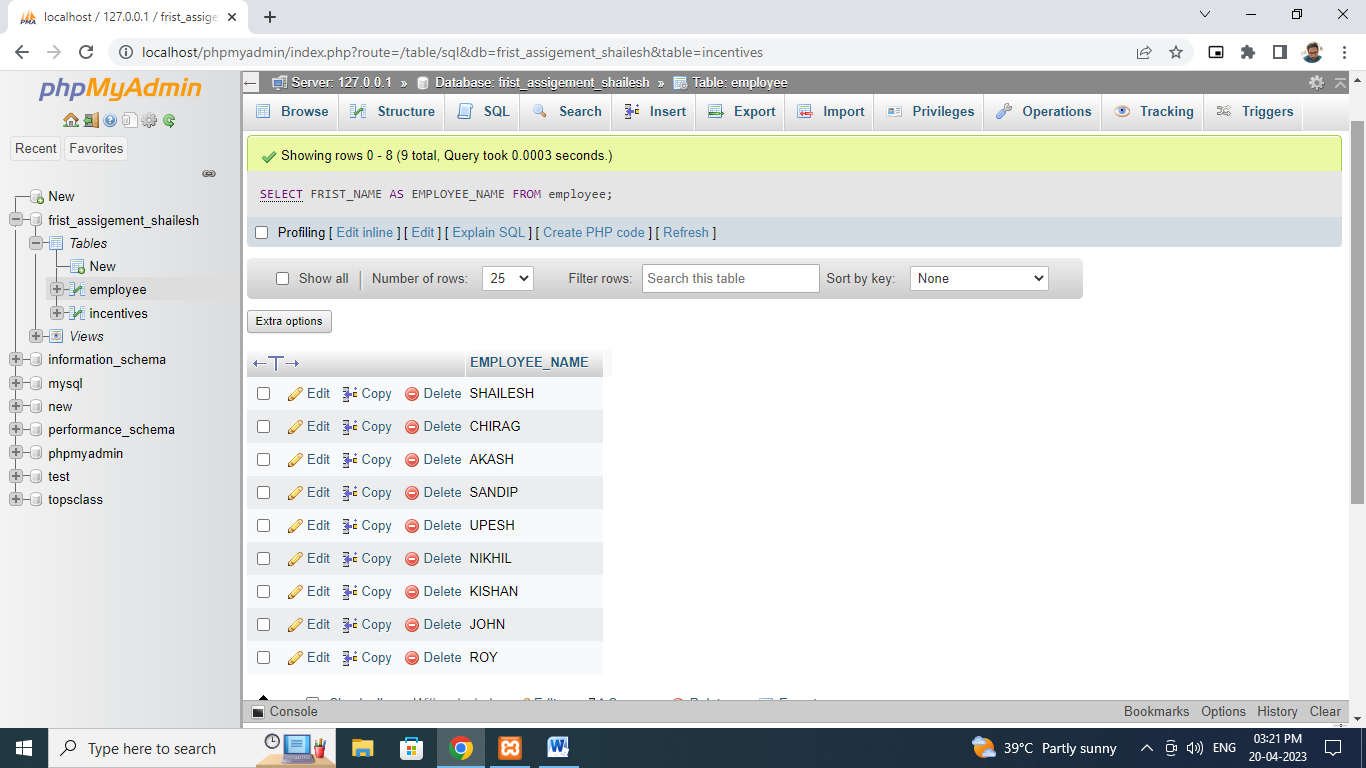
(9,10,"2023-03-01",5000),

(10,9,"2023-02-01",3000);



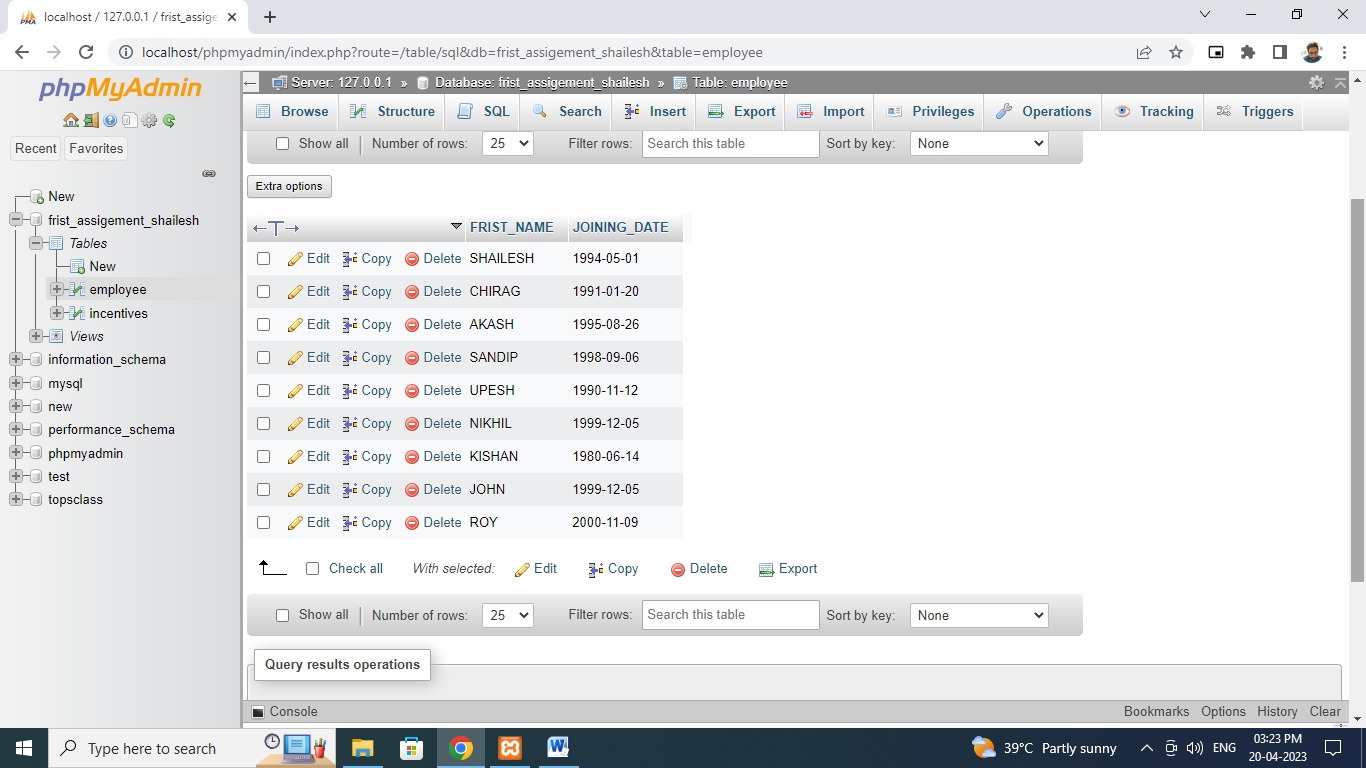
1 ) Get First\_Name from employee table using alias name “Employee Name”.

SELECT FRIST\_NAME AS EMPLOYEE\_NAME FROM employee;



2) Get FIRST\_NAME, Joining year, Joining Month and Joining Date from employee table.

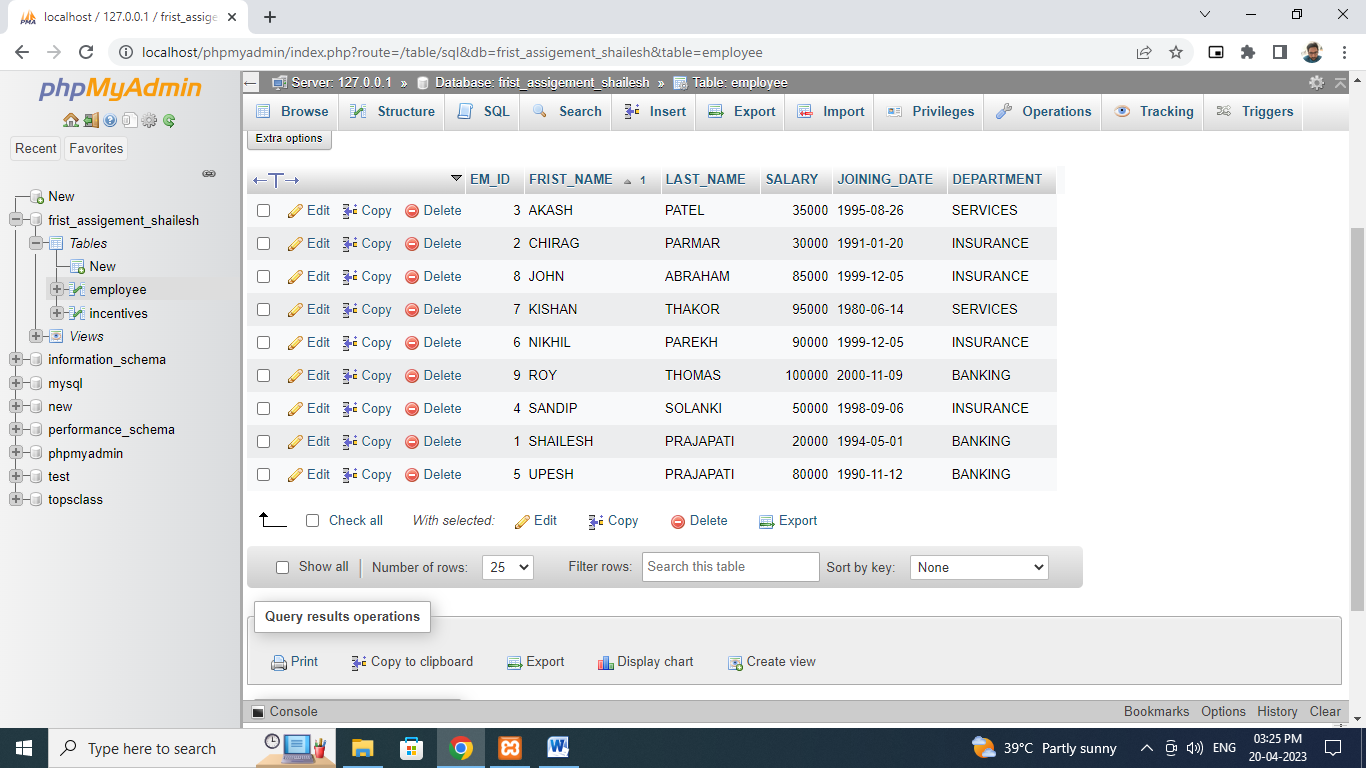
SELECT FRIST\_NAME,JOINING\_DATE FROM employee;



3) Get all employee details from the employee table order by First Name Ascending and Salary descending?

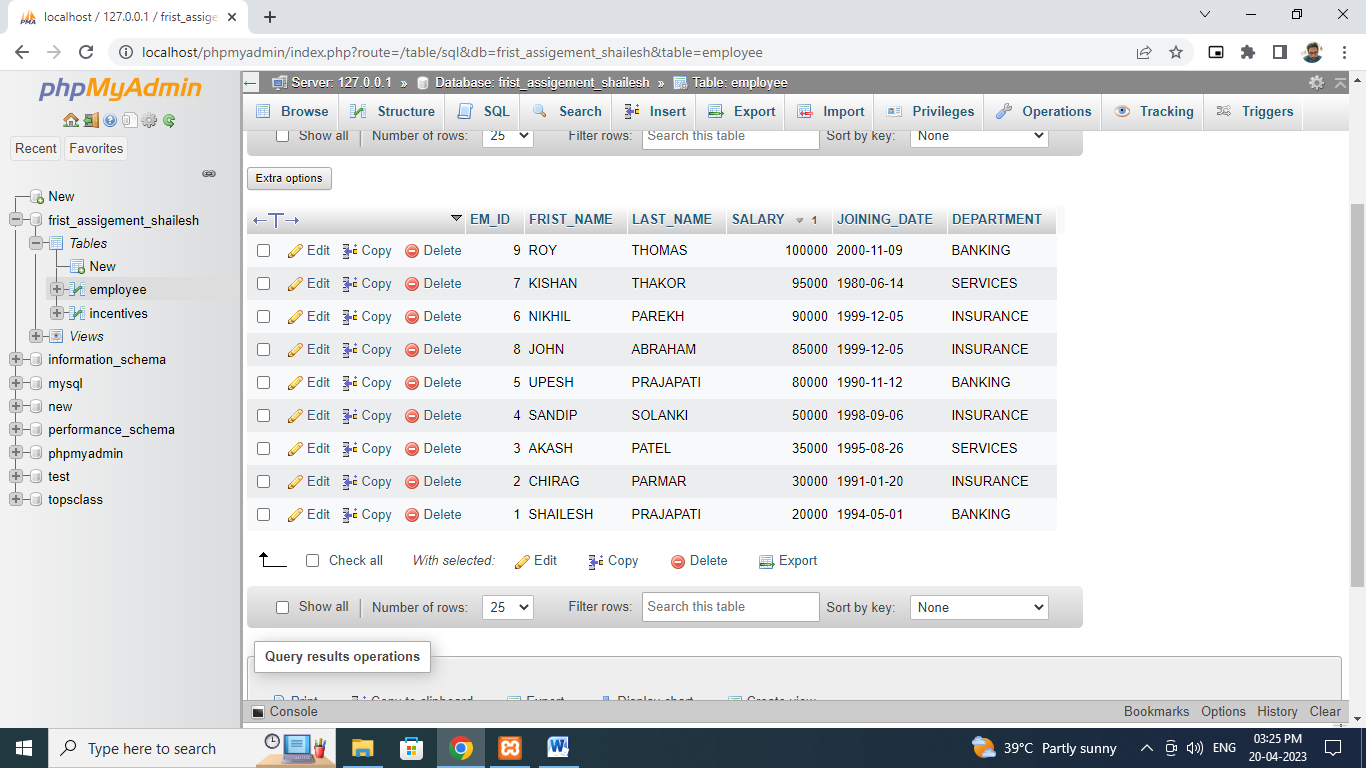
SELECT \* FROM employee

ORDER BY FRIST\_NAME ASC;



SELECT \* FROM employee

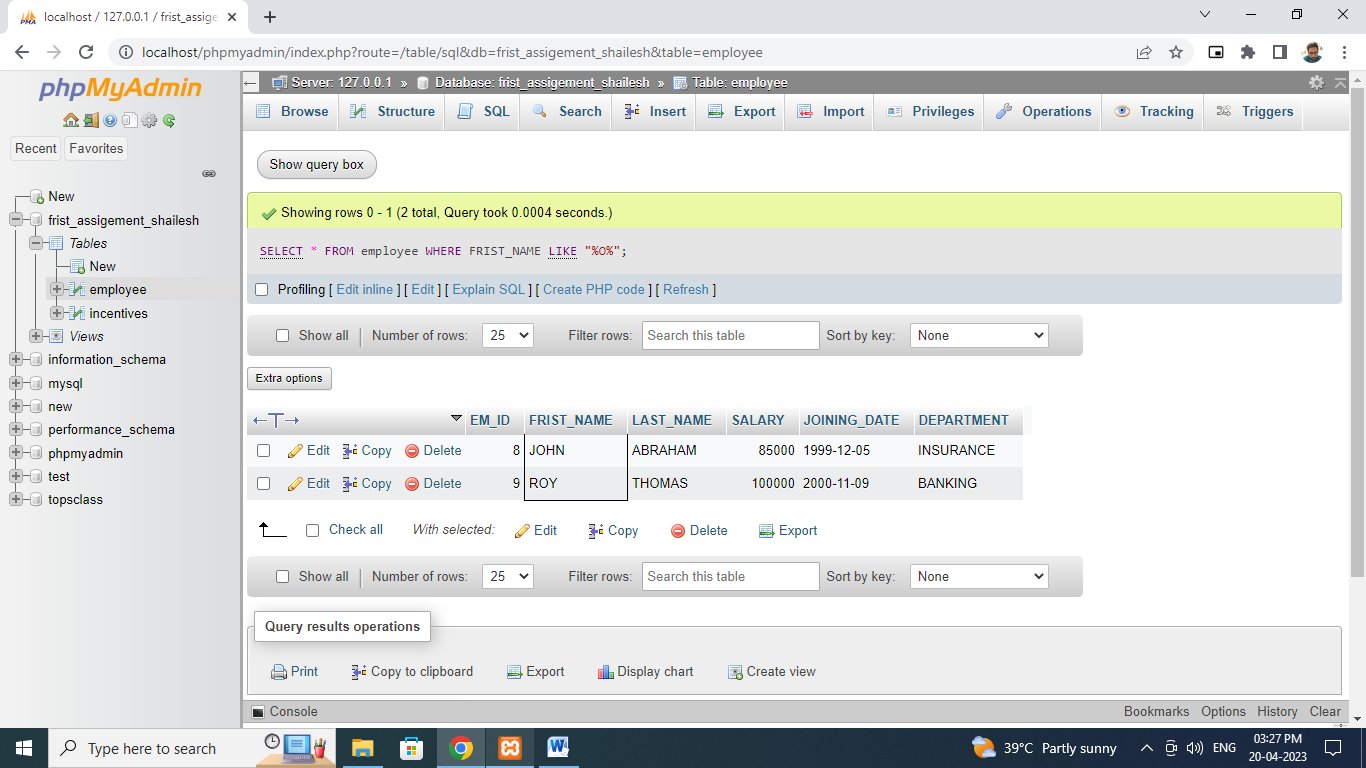
ORDER BY SALARY DESC;



4) Get employee details from employee table whose first name contains „o‟.

SELECT FRIST\_NAME FROM employee WHERE FRIST\_NAME LIKE "%O%"

SELECT \* FROM employee WHERE FRIST\_NAME LIKE "%O%"



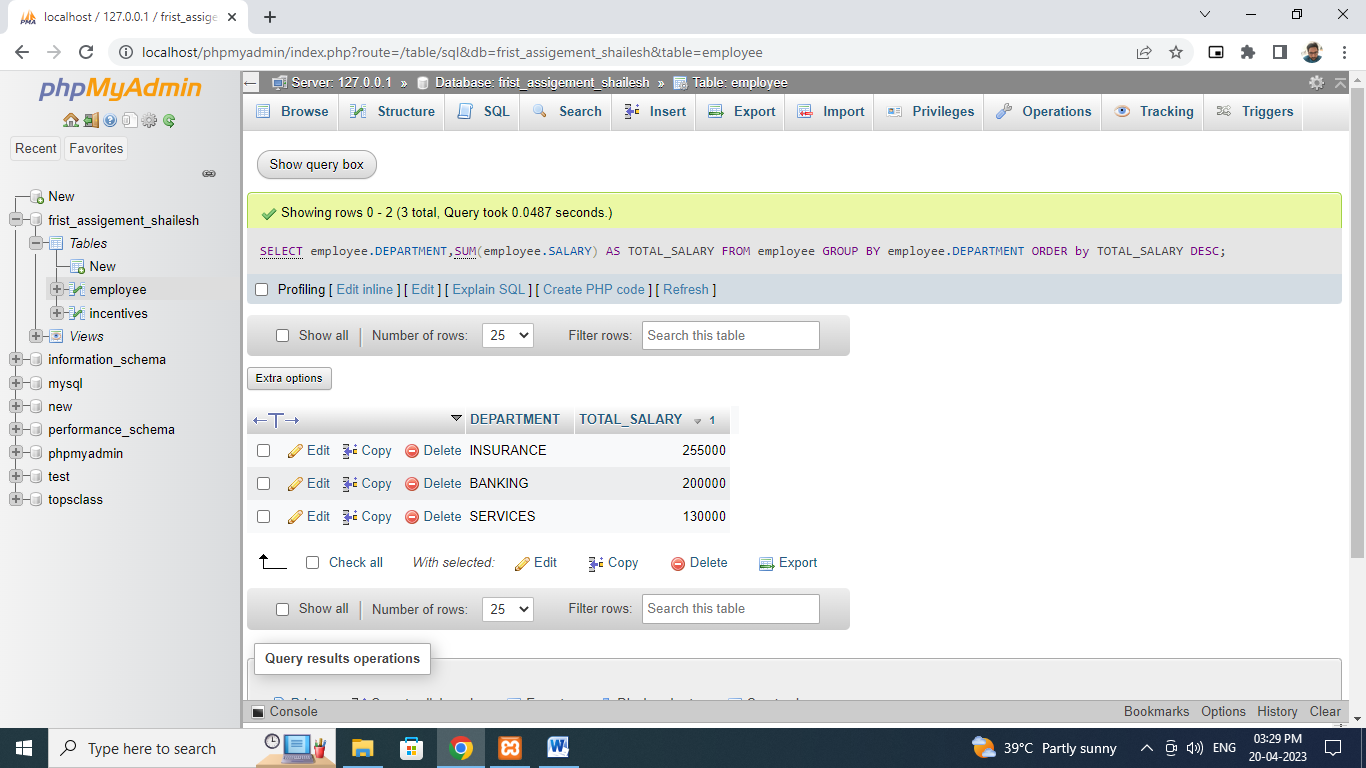
5) Get employee details from employee table whose joining month is “January”.

6) Get department, total salary with respect to a department from employee table Order By total salary descending

SELECT employee.DEPARTMENT,SUM(employee.SALARY) AS TOTAL\_SALARY FROM employee

GROUP BY employee.DEPARTMENT

ORDER by TOTAL\_SALARY DESC;

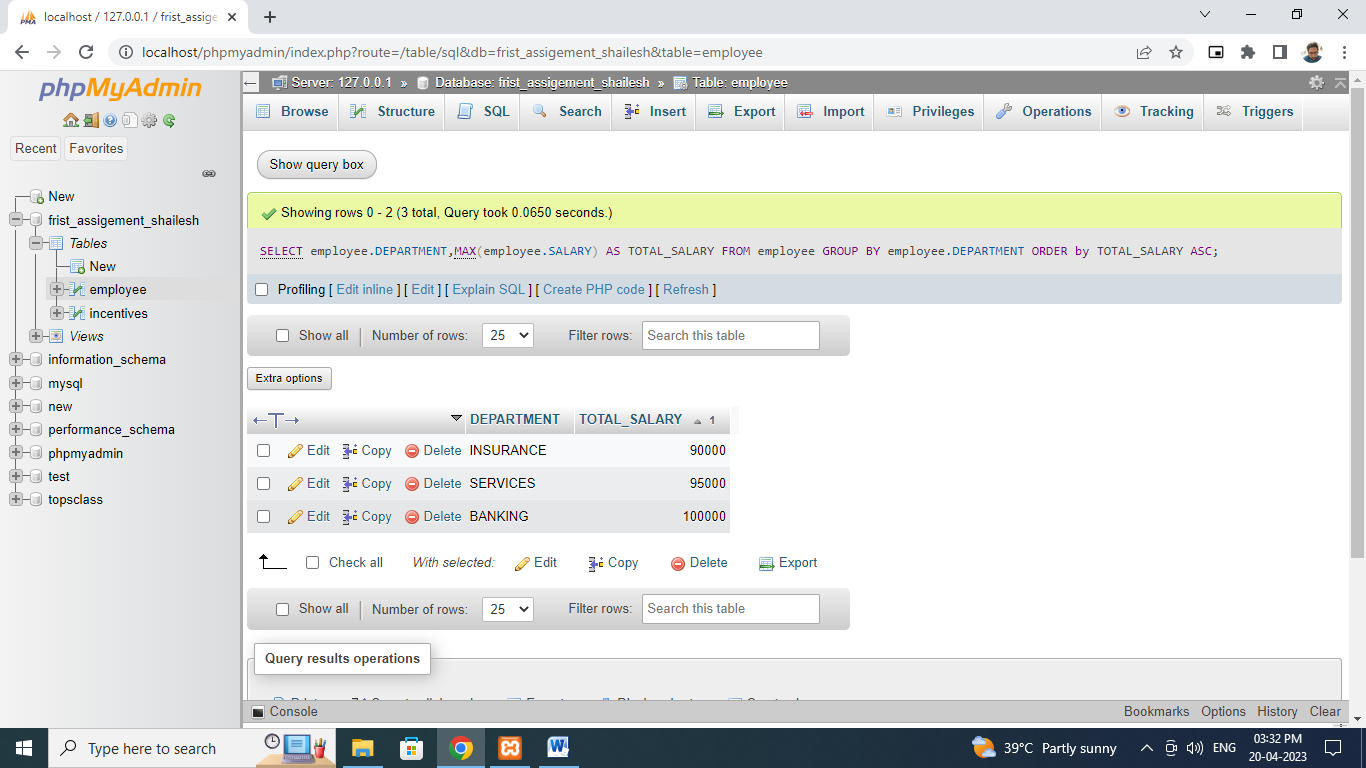


7) Get department wise maximum salary from employee table order by salary ascending?

SELECT employee.DEPARTMENT,MAX(employee.SALARY) AS TOTAL\_SALARY FROM employee

GROUP BY employee.DEPARTMENT

ORDER by TOTAL\_SALARY ASC;



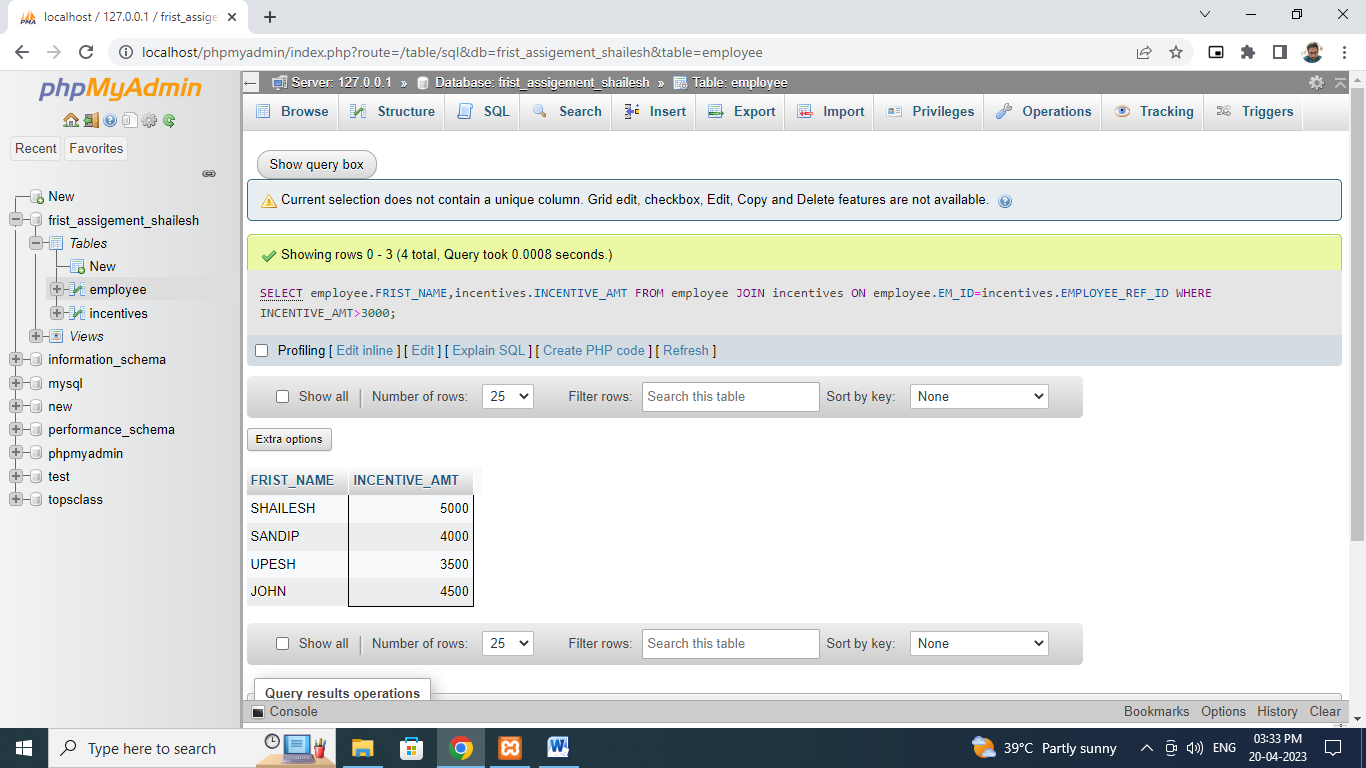
8) Select first\_name, incentive amount from employee and incentives table for those Employees who have incentives and incentive amount greater than 3000

SELECT employee.FRIST\_NAME,incentives.INCENTIVE\_AMT FROM employee

JOIN incentives

ON employee.EM\_ID=incentives.EMPLOYEE\_REF\_ID

WHERE INCENTIVE\_AMT>3000;



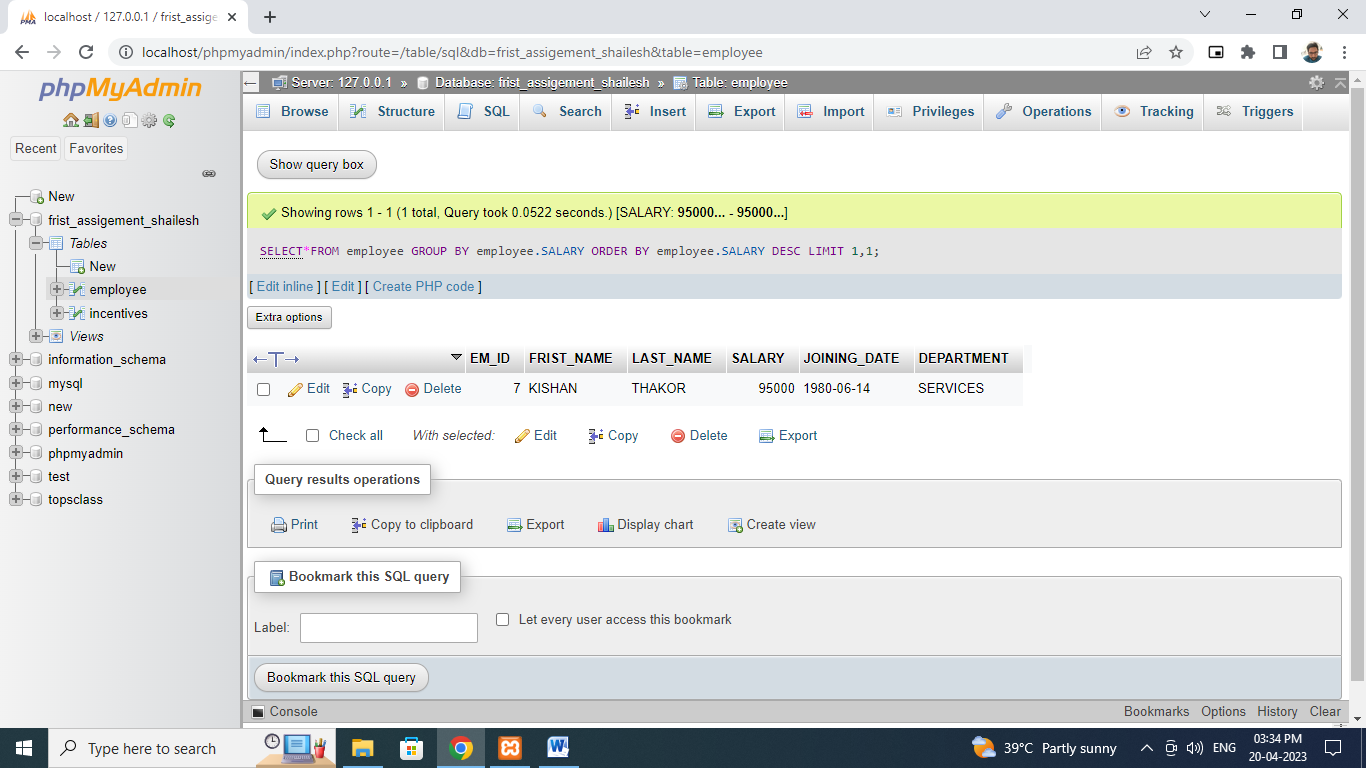
9) Select 2nd Highest salary from employee table.

SELECT\*FROM employee

GROUP BY employee.SALARY

ORDER BY employee.SALARY DESC

LIMIT 1,1;

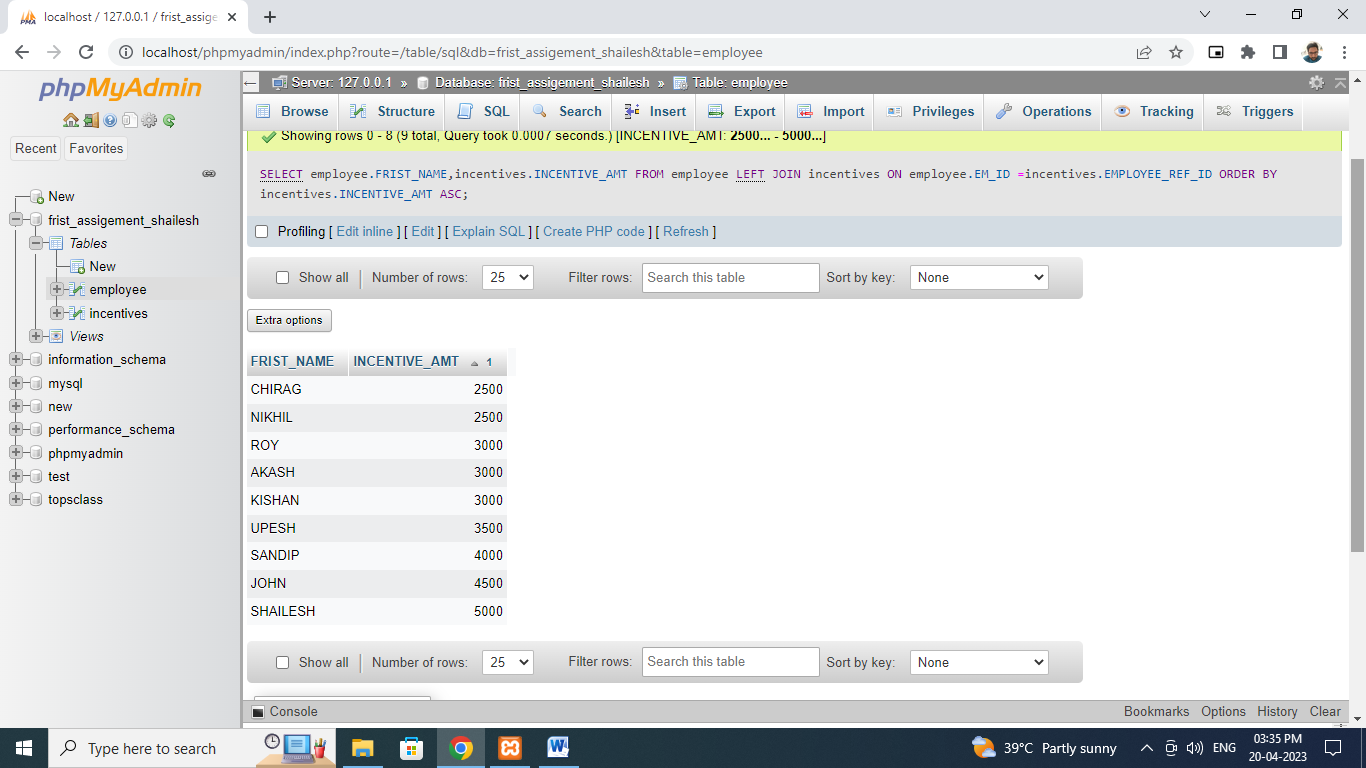


10)Select first\_name, incentive amount from employee and incentives table for all Employees who got incentives using left join.

SELECT employee.FRIST\_NAME,incentives.INCENTIVE\_AMT FROM employee

LEFT JOIN incentives ON employee.EM\_ID =incentives.EMPLOYEE\_REF\_ID

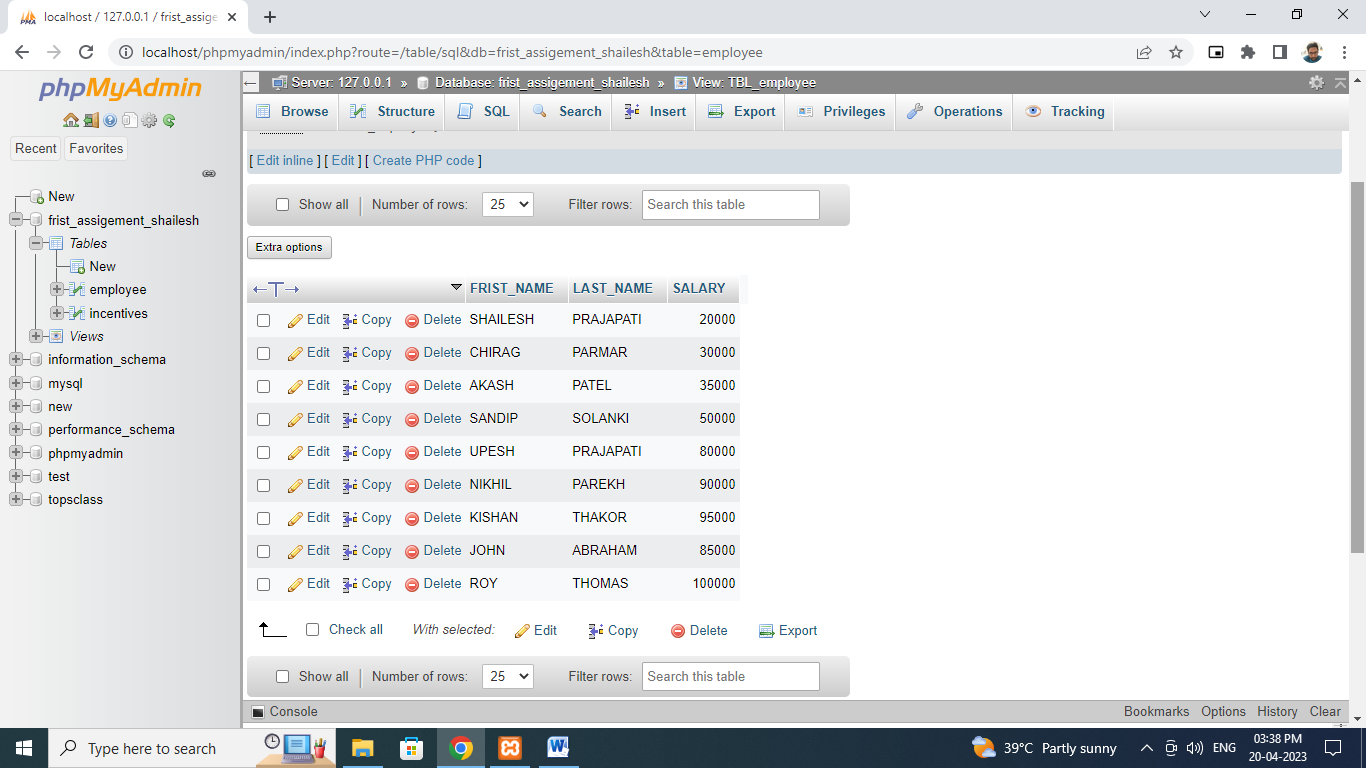
ORDER BY incentives.INCENTIVE\_AMT ASC;



11) Create View OF Employee table in which store first name, last name and salary only.

CREATE VIEW TBL\_employee AS

SELECT employee.FRIST\_NAME,employee.LAST\_NAME,employee.SALARY FROM employee;

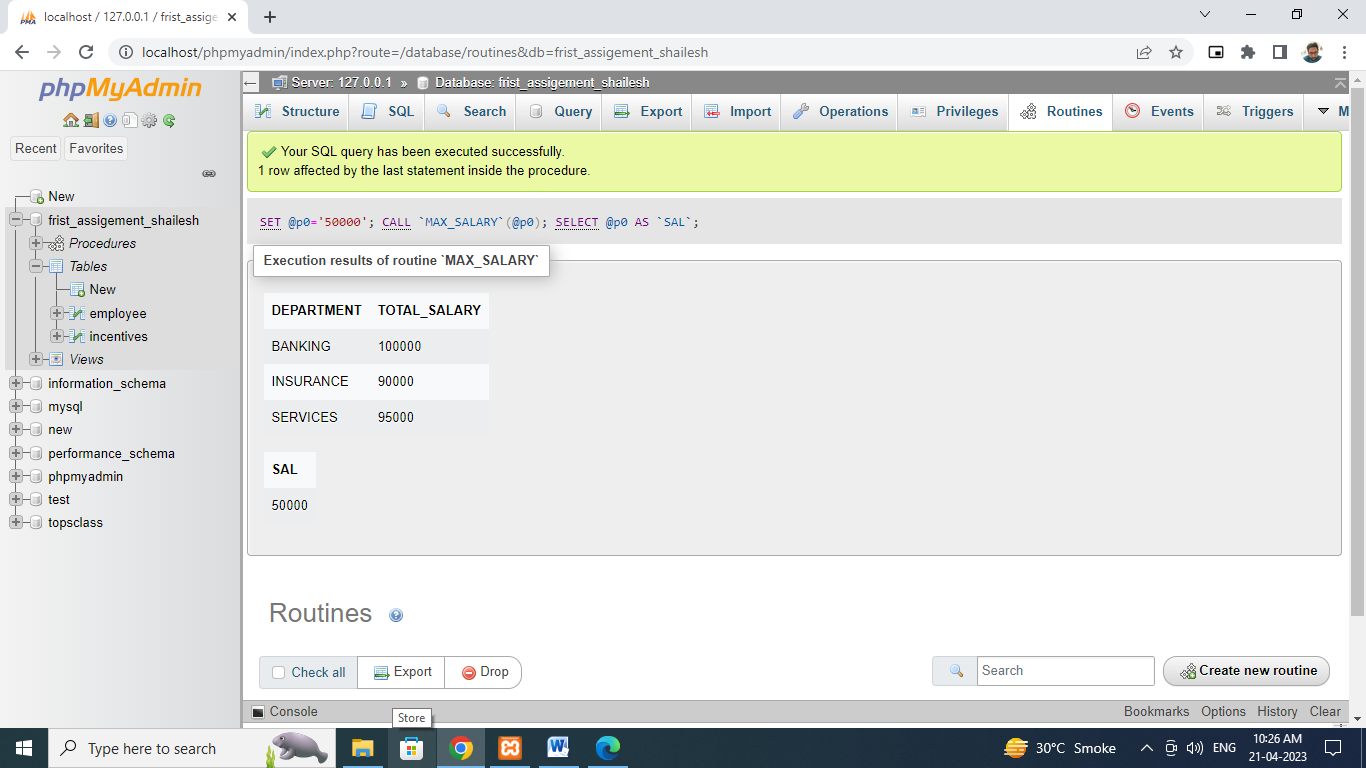


12) Create Procedure to find out department wise highest salary.

CREATE PROCEDURE MAX\_SALARY (INOUT SAL INT)

SELECT employee.DEPARTMENT,MAX(employee.SALARY) AS TOTAL\_SALARY FROM employee

GROUP BY employee.DEPARTMENT



13) Create after Insert trigger on Employee table which insert records in view table.

CREATE TRIGGER EMP\_TRIGGER AFTER INSERT

ON employee FOR EACH ROW

INSERT INTO employeetbl VALUES(EM\_ID,FRIST\_NAME,LAST\_NAME,SALARY,JOINING\_DATE,DEPARTMENT);

INSERT INTO employee VALUES("","PARESH","PRAJAPATI",45000,"2023-02-01","BANKING");

