Php - - Assignment

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Topic – SQL Task-1

TABLE: - Employee

```
CREATE TABLE `employee` (
  `em_id` int(11) NOT NULL,
  `first_name` varchar(50) NOT NULL,
  `last_name` varchar(50) NOT NULL,
  `salary` int(11) NOT NULL,
  `joining_date` date DEFAULT NULL,
  `department` varchar(50) NOT NULL
)
```

Insert into - - -

```
INSERT INTO `employee` (`em_id`,
`first_name`, `last_name`, `salary`,
`joining_date`, `department`) VALUES
(1, 'JOHN', 'ABRAHAM', 1000000,
'2013-01-01', 'BANKING'),
(2, 'MICHAL', 'CLERK', 800000,
'2013-01-01', 'INSURANCE'),
(3, 'ROY', 'THOMAS', 700000,
'2013-01-01', 'BANKING'),
(4, 'TOM', 'JOES', 600000, '2013-02-01',
'INSURANCE'),
(5, 'JERRY', 'PINTO', 650000,
'2013-01-01', 'INSURANCE'),
(6, 'PHILIP', 'MATHEW', 750000,
'2013-01-01', 'SERVICES'),
(7, 'TESTNAME1', '123', 650000,
'2013-01-01', 'SERVICES'),
(8, 'TESTNAME2', 'LNAME%', 600000,
'2013-02-01', 'INSURANCE');
```

Topic – SQL Task-1

TABLE: - Employee

EM_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	JOHN	ABRAHAM	1000000	2013-01-01	BANKING
2	MICHAEL	CLERK	800000	2013-01-01	INSURANCE
3	ROY	THOMAS	700000	2013-02-01	BANKING
4	TOM	JOSE	600000	2013-02-01	INSURANCE
5	JERRY	PINTO	650000	2013-01-01	INSURANCE
6	PHILIP	MATHEW	750000	2013-01-01	SERVICES
7	TESTNAME1	123	650000	2013-01-01	SERVICES
8	TESTNAME2	LNAME%	600000	2013-02-01	INSURANCE

TABLE: - incentive

```
CREATE TABLE `incentive` (
  `incentive_id` int(11) NOT NULL,
  `employee_ref_id` int(11) NOT NULL,
  `incentive_date` date DEFAULT NULL,
  `incetive_amount` int(11) NOT NULL
)
```

Insert into - - -

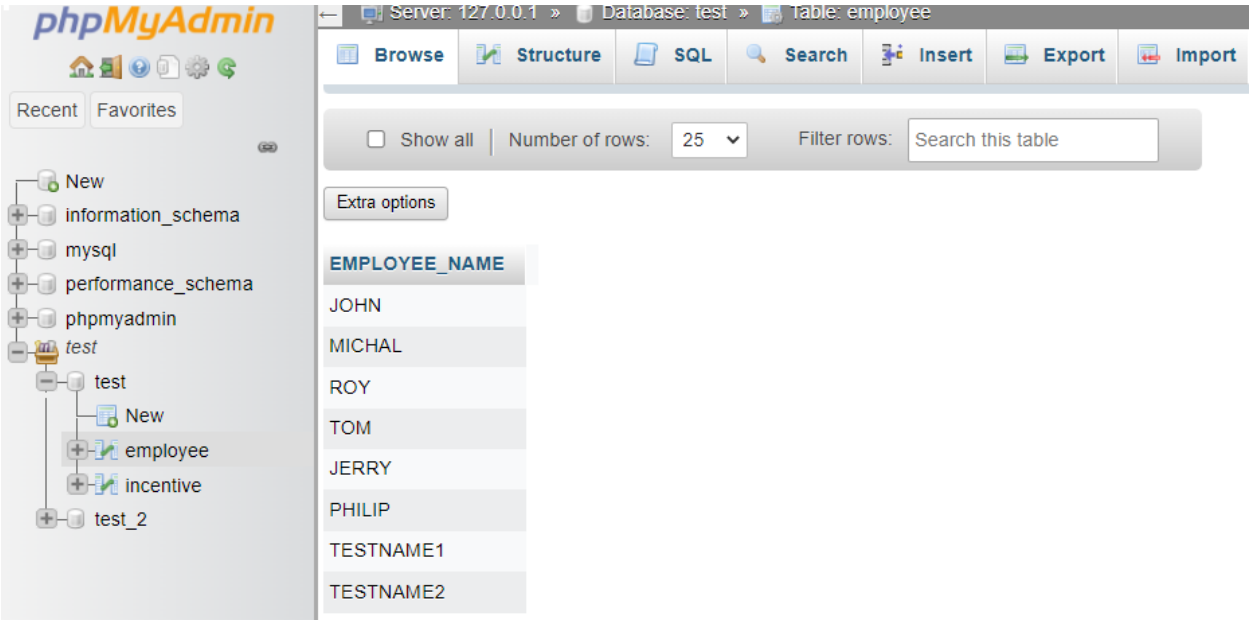
```
INSERT INTO `incentive` (`incentive_id`,
`employee_ref_id`, `incentive_date`,
`incetive_amount`) VALUES
(1, 1, '2013-02-01', 5000),
(2, 2, '2013-02-01', 3000),
(3, 3, '2013-02-01', 4000),
(4, 1, '2013-01-01', 4500),
(5, 2, '2013-01-01', 3500);
```

TABLE: - Incentives

insentive_id	EMPLOYEE_REF_ID	INCENTIVE_DATE	INCENTIVE_AMT
1	1	2013-02-01	5000
2	2	2013-02-01	3000
3	3	2013-02-01	4000
4	1	2013-01-01	4500
5	2	2013-01-01	3500

a) Get First_Name from employee table using alias name “Employee Name”

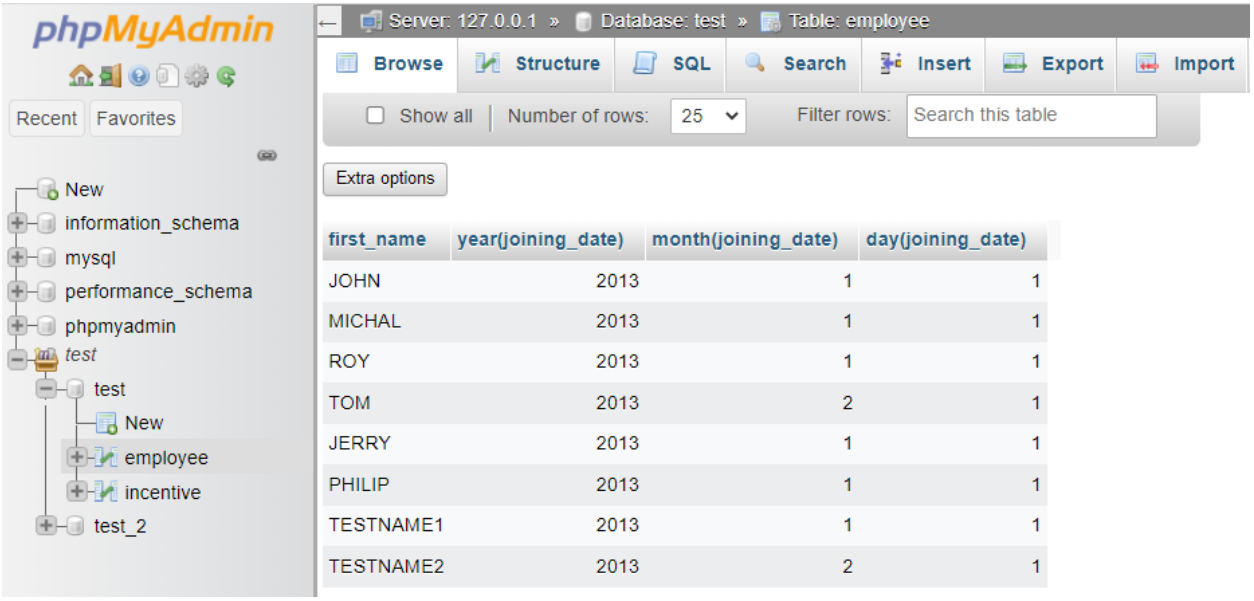
Ans - - SELECT first_name AS "EMPLOYEE_NAME" FROM employee



b) Get FIRST_NAME, Joining year, Joining Month and Joining Date from employee table.

Ans - -

```
SELECT
first_name,year(joining_date),month(joini
ng_date),day(joining_date)
FROM employee
```



first_name	year(joining_date)	month(joining_date)	day(joining_date)
JOHN	2013	1	1
MICHAL	2013	1	1
ROY	2013	1	1
TOM	2013	2	1
JERRY	2013	1	1
PHILIP	2013	1	1
TESTNAME1	2013	1	1
TESTNAME2	2013	2	1

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

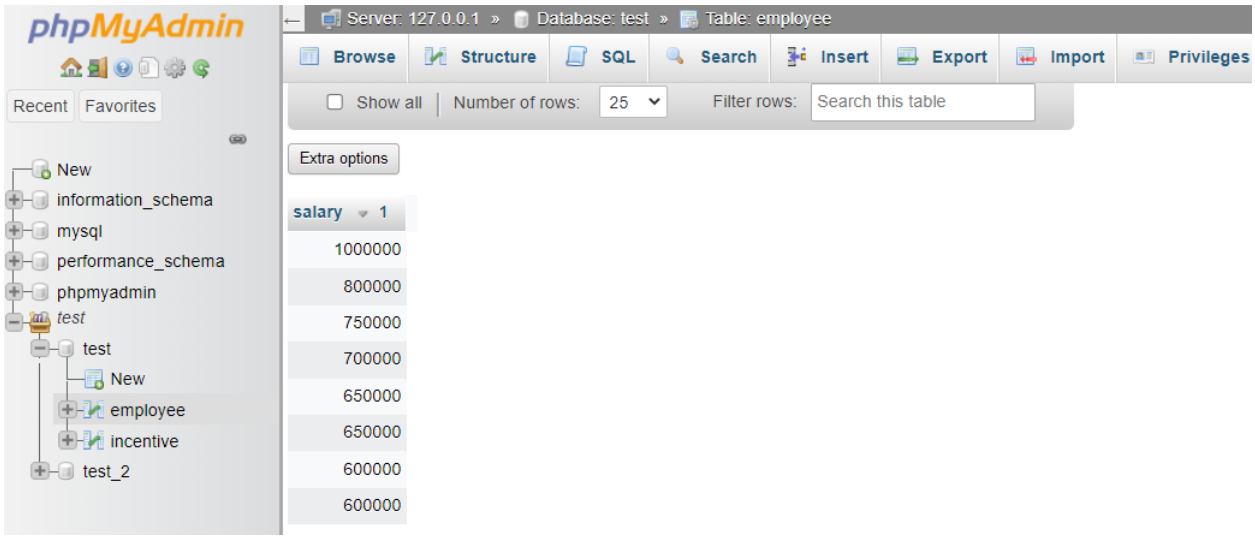
Ans - -

```
SELECT first_name FROM employee ORDER by
first_name ASC;
```

First_name ascending:

Salary descending:

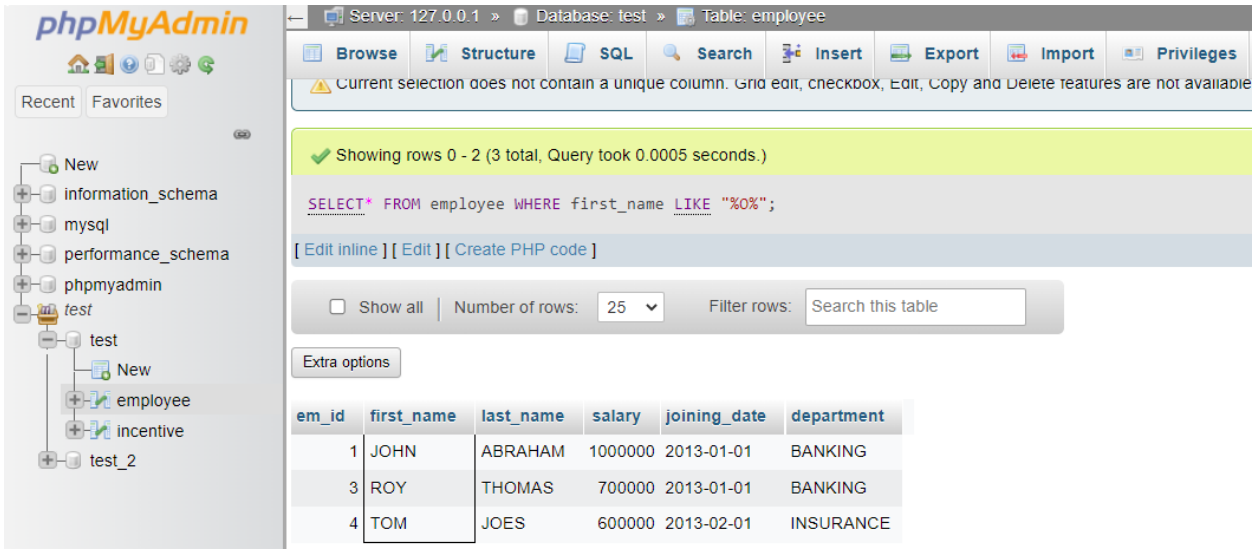
```
SELECT salary FROM employee ORDER by
salary DESC
```



d) Get employee details from the employee table whose first name contains „o".

Ans - -

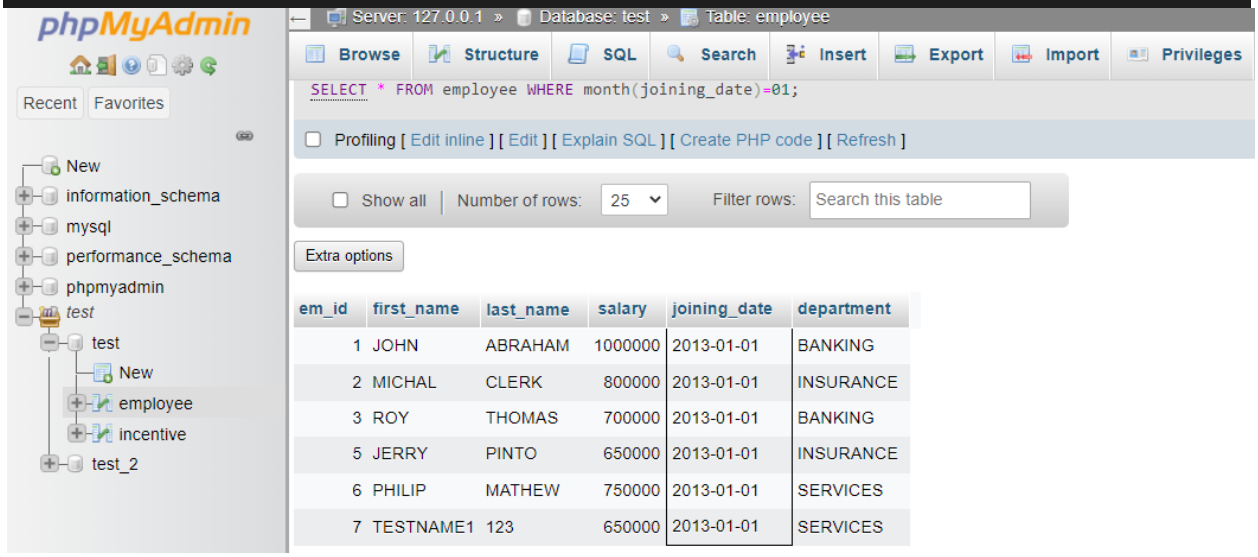
```
SELECT * FROM employee WHERE first_name
LIKE "%O%";
```



e) Get employee details from employee table whose joining month is "January"

Ans – –

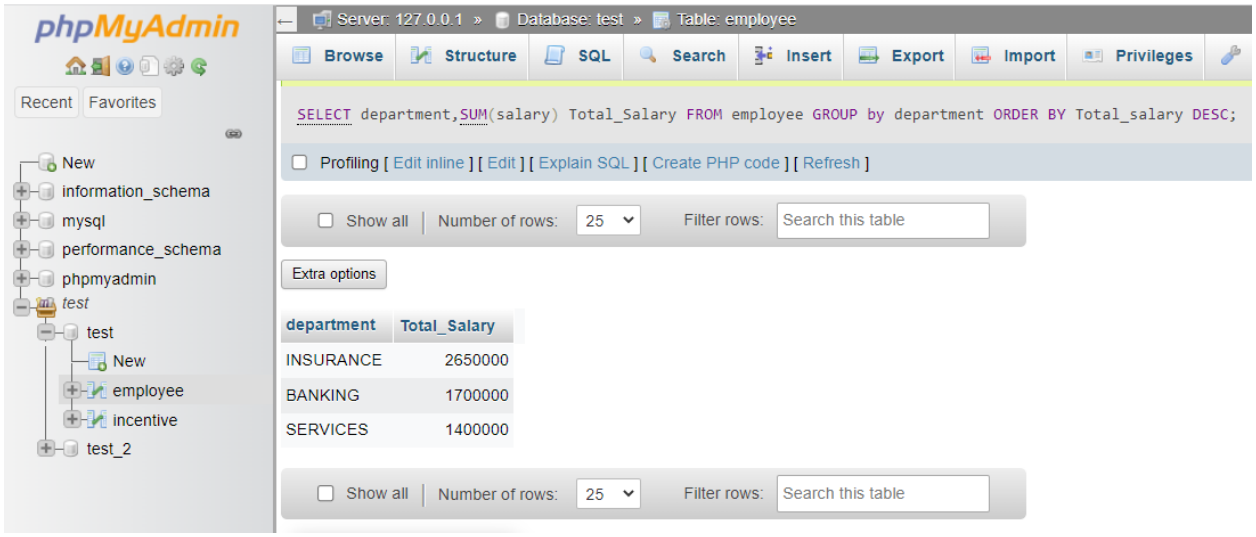
```
SELECT * FROM employee WHERE
month(joining_date)=01;
```



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

Ans – –

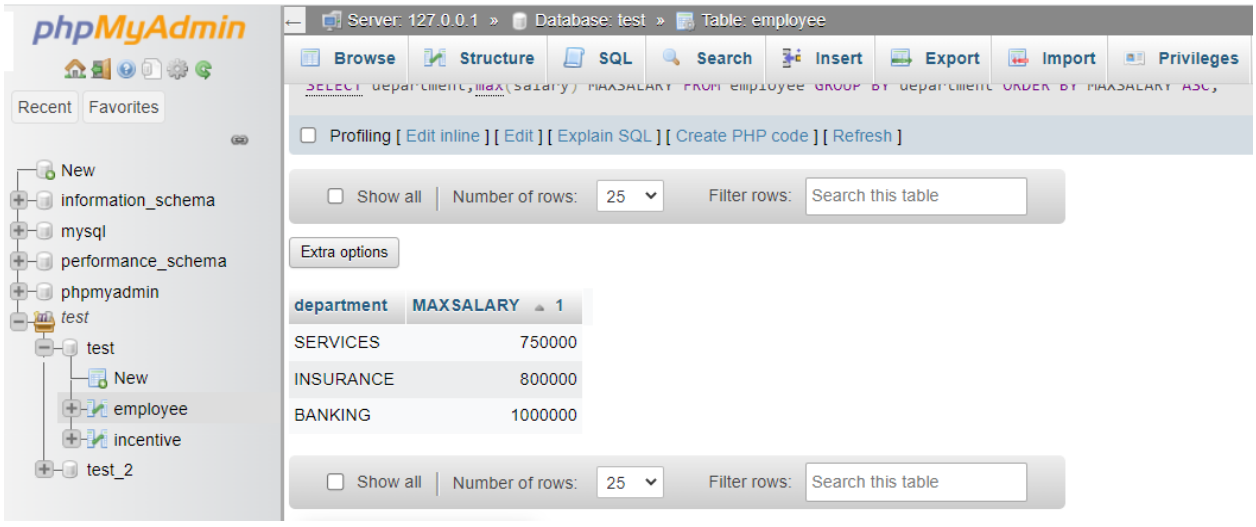
```
SELECT department,SUM(salary)
Total_Salary
FROM employee
GROUP by department
ORDER BY Total_salary DESC;
```



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

Ans - -

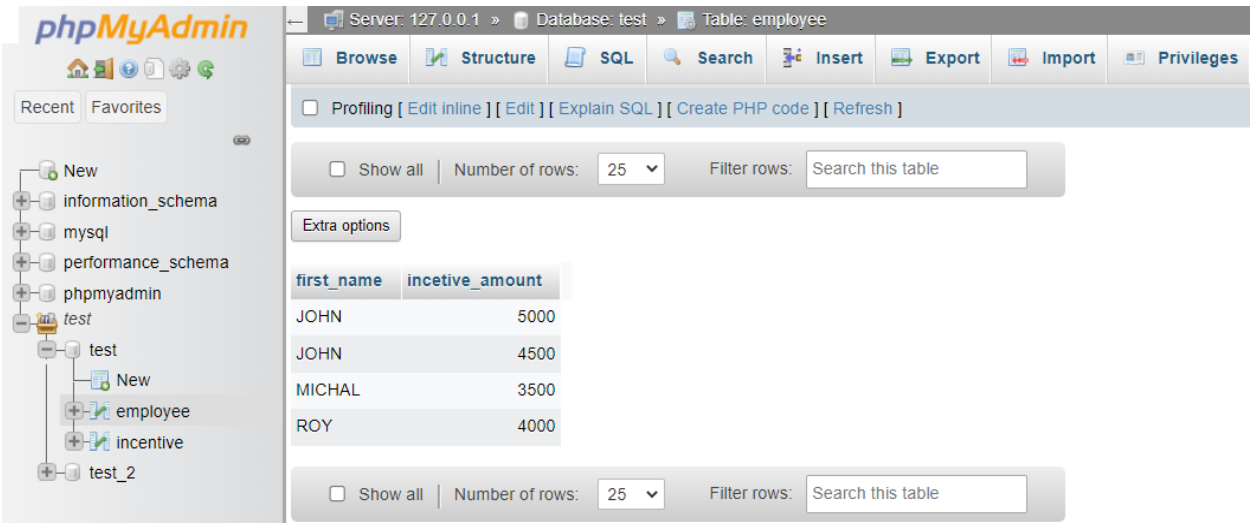
```
SELECT department,max(salary) MAX SALARY
FROM employee
GROUP BY department
ORDER BY MAX SALARY ASC
```



h) Select first_name, incentive amount from employee and incentives table for those Employees who have incentives and incentive amount greater than 3000

ANS - -

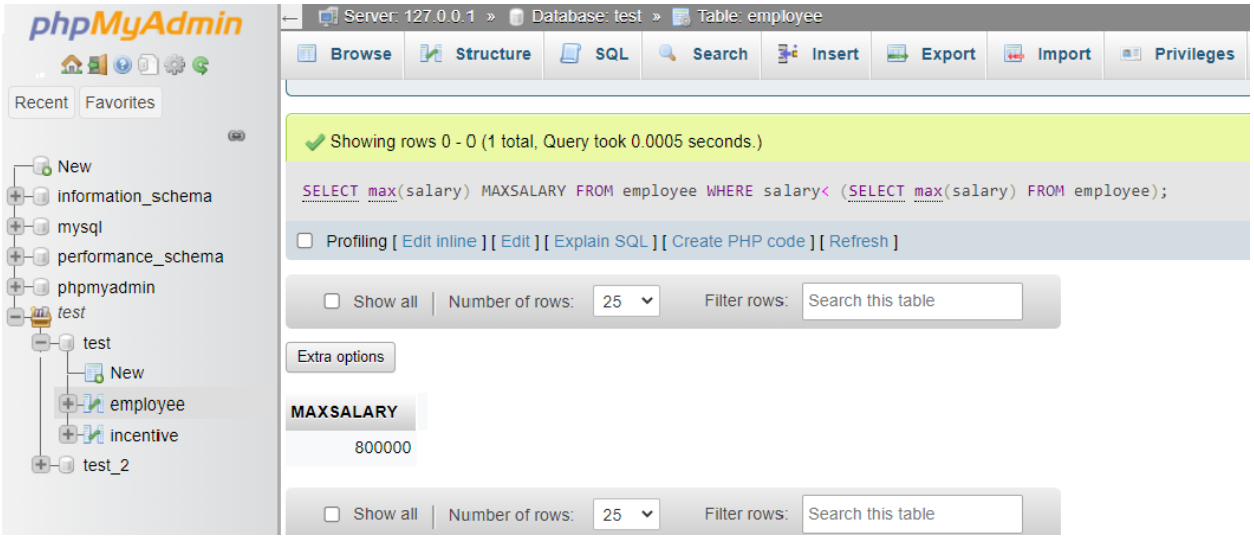
```
SELECT first_name,incetive_amount FROM
employee e INNER JOIN incentive i
ON e.em_id=i.employee_ref_id AND
incetive_amount>3000;
```



i) Select 2nd Highest salary from employee table.

Ans – –

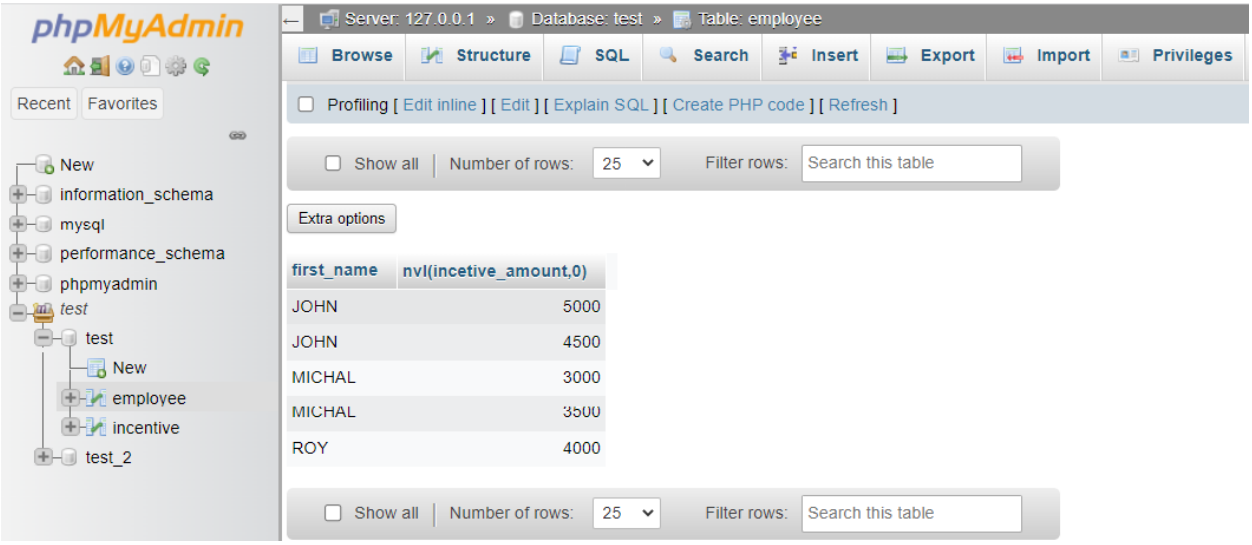
```
SELECT max(salary) MAX SALARY FROM
employee
WHERE salary< (SELECT max(salary) FROM
employee);
```



j) Select first_name, incentive amount from employee and incentives table for all Employees who got incentives using left join.

Ans - -

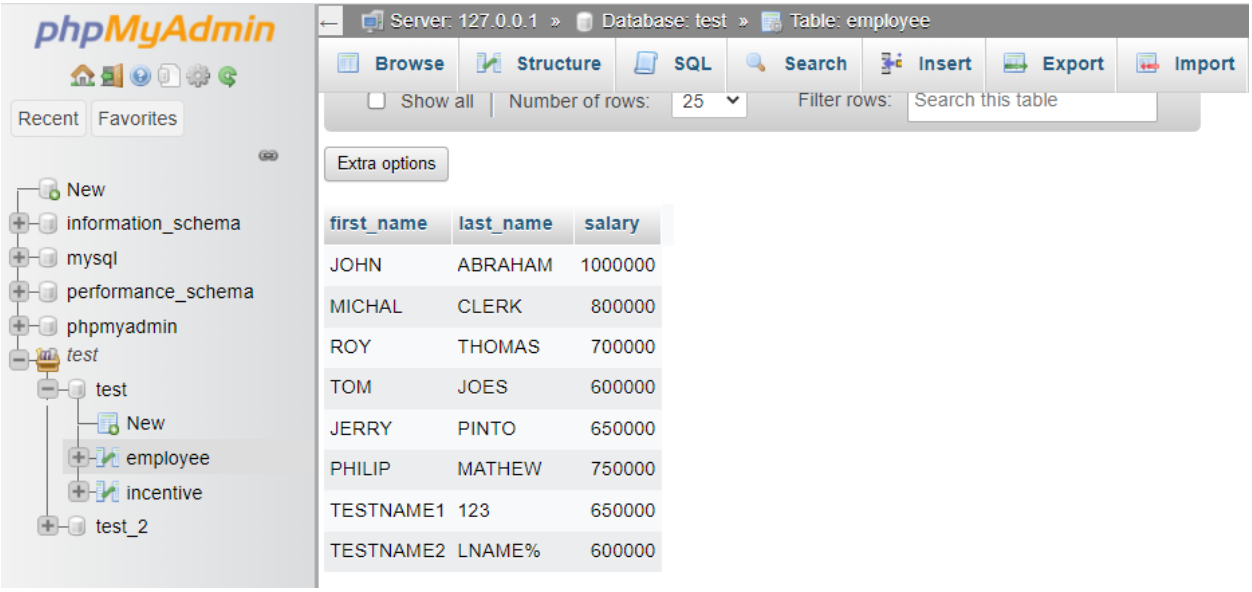
```
SELECT first_name,nvl(incetive_amount,0)
FROM employee RIGHT JOIN
incentive i ON e.em_id=i.employee_ref_id;
```



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

Ans - -

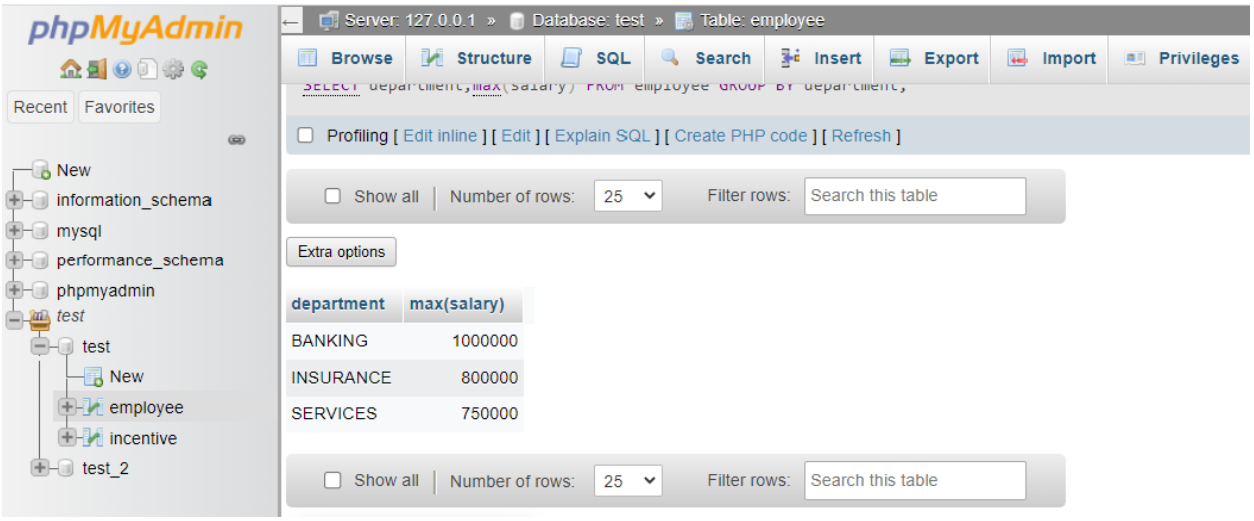
```
SELECT first_name,last_name,salary FROM employee
```



l) Create Procedure to find out department wise highest salary

Ans – –

```
SELECT department,max(salary) FROM
employee GROUP BY department
```



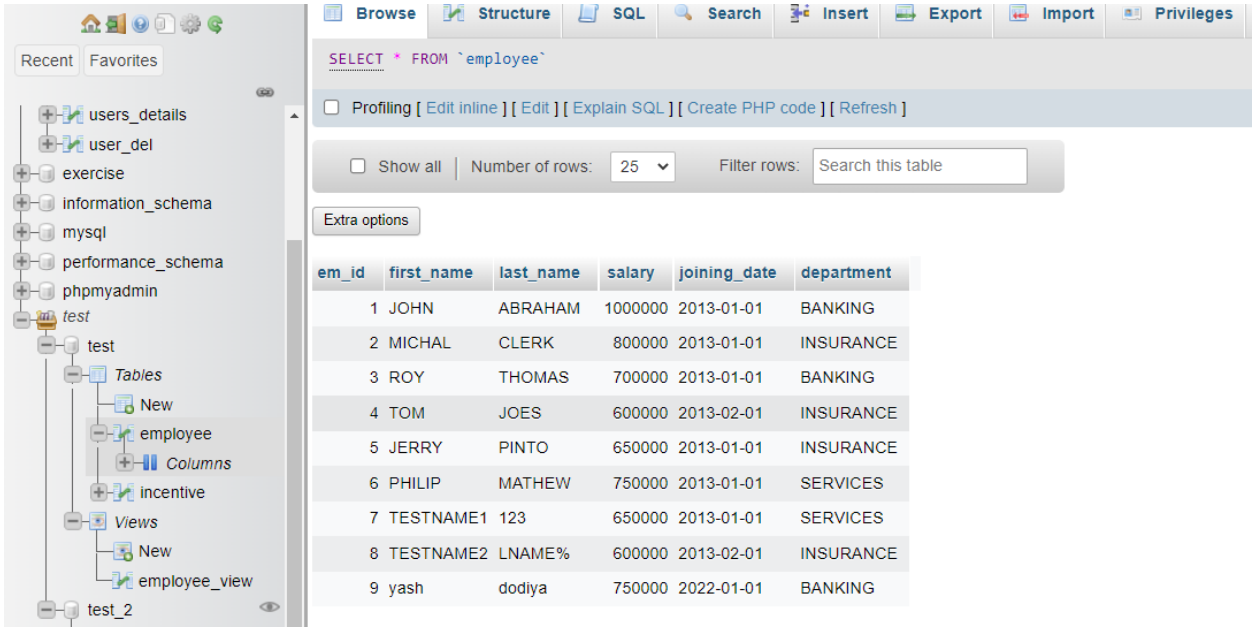
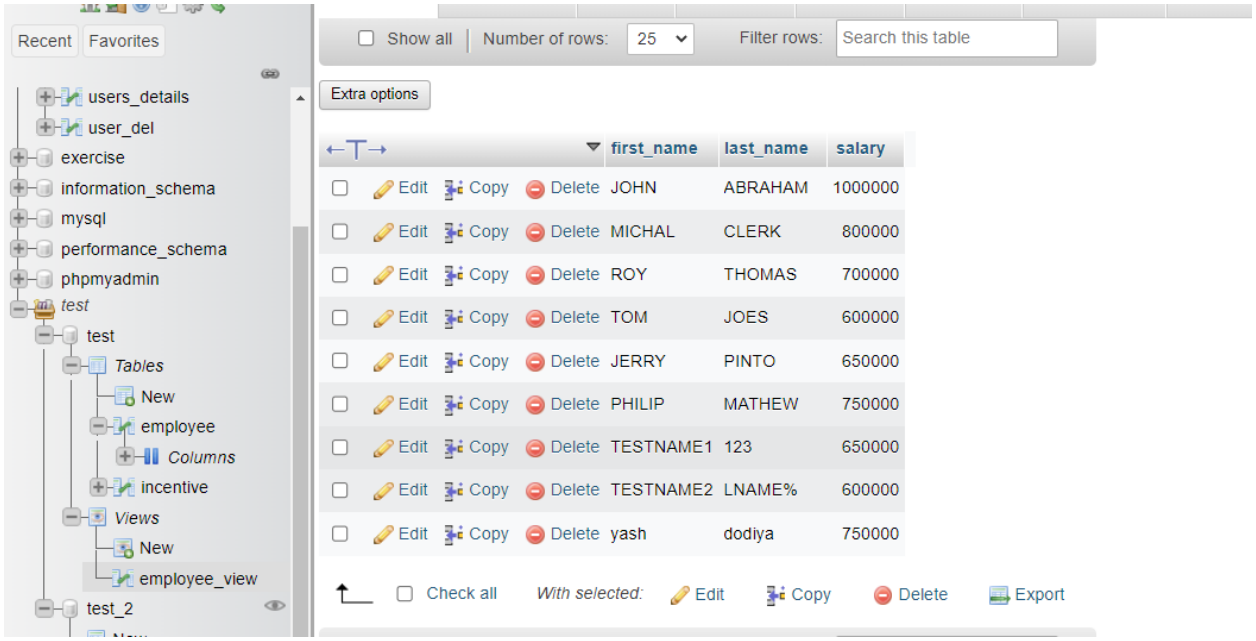
m) Create after Insert trigger on the Employee table which inserts records in the view table.

Ans – –

```
CREATE TRIGGER insert_into_view AFTER
INSERT ON employee
    FOR EACH ROW
            INSERT INTO employee_view
(FIRST_NAME,LAST_NAME,SALARY,)
            VALUES
            (NEW.FIRST_NAME,
NEW.LAST_NAME,NEW.SALARY);

INSERT INTO
employee(EM_ID,FIRST_NAME,LAST_NAME,
SALARY,JOINING_DATE,DEPARTMENT)
        VALUES

(9,"yashpal","vala",750000,"2022-01-01","
BANKING");
```



employee_view .....