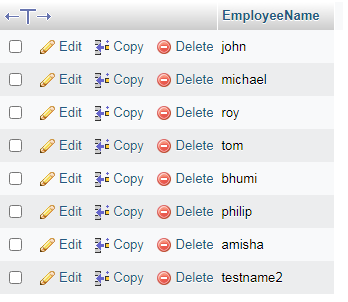
**Topic – SQL Task -1**

1. **Get First Name from employee table using alias name “Employee Name”.**

* SELECT first\_name AS EmployeeName FROM employee;

**Output:**



**b) Get FIRST\_NAME, Joining year, Joining Month and Joining Date from**

**employee table.**

* SELECT first\_name,joining\_year,joining\_month,joining\_date FROM employee;

**Output:**

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

* SELECT \* FROM `employee` ORDER BY first\_name ASC , salary DESC;

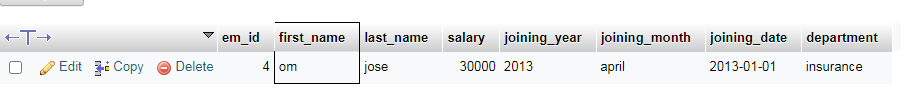
**Output:**



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

* SELECT \* FROM `employee` WHERE first\_name LIKE 'o%';

**Output:**



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

* SELECT \* FROM employee WHERE joining\_month = january;

**Output:**



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

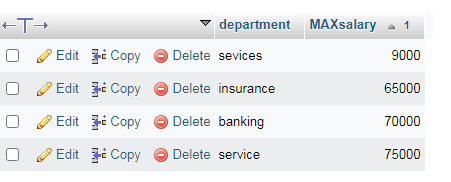
* SELECT \* FROM employee ORDER BY department, salary DESC;

**Output:** 

**g) Get department wise maximum salary from employee table order by salary Ascending.**

* SELECT department, MAX(salary) MAX salary FROM employee GROUP BY department ORDER BY MAX salary ASC;

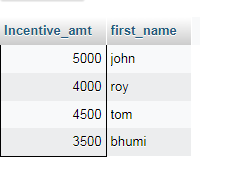
**Output:**



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

* SELECT incentives. Incentive\_amt, employee.first\_name FROM incentives INNER JOIN employee ON incentives.em\_id = employee.em\_id WHERE Incentive\_amt > 3000;

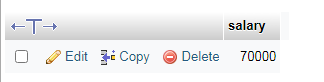
**Output:**



**i) Select 2nd Highest salary from employee table.**

* select salary from employee order by salary desc limit 1,1;

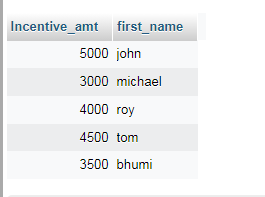
**Output:**



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

* SELECT incentives.Incentive\_amt, employee.first\_name FROM incentives LEFT JOIN employee ON incentives.em\_id = employee.em\_id;

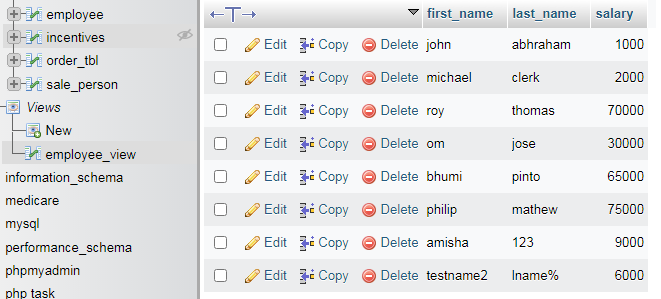
**Output:**



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

* CREATE VIEW employee\_view as SELECT first\_name, last\_name,salary FROM employee;

**Output:**



**l) Create Procedure to find out department wise highest salary.**

* CREATE PROCEDURE sell\_emp()

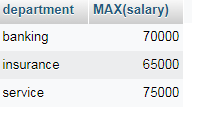
BEGIN

SELECT department ,MAX(salary) FROM employee GROUP BY department;

END

Call sell\_emp();

**Output:**



**m) Create After Insert trigger on Employee table which insert records in view table.**

* create table emp\_log( em\_id int, first\_name varchar(255), last\_name varchar(255),salary varchar(255),joining\_year varchar(255),joining\_month varchar(255),joining\_date varchar(255), department varchar(255), entry\_date\_time datetime);
* CREATE TRIGGER insert\_emp After INSERT ON employee FOR EACH ROW

BEGIN

insert into emp\_log(em\_id,first\_name,last\_name,salary,joining\_year,joining\_month,joining\_date, department ,Entry\_date\_time) values (new.em\_id,new.first\_name,new.last\_name,new.salary,new.joining\_year,new.joining\_month,new.joining\_date, department ,now());

END

**Output:**

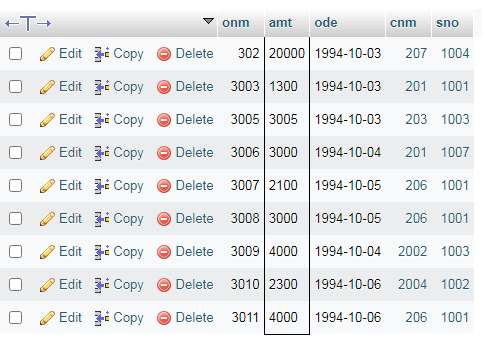


**Task – 2**

1. **All orders for more than $1000.**

* select \* from orde\_tbl WHERE amt > 1000;

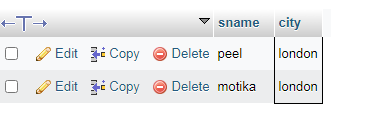
**Output:**



1. **Names and cities of all salespeople in London with commission above 0.10.**

* Select sname, city from sale\_person where comm > 0.10 and city = 'london';

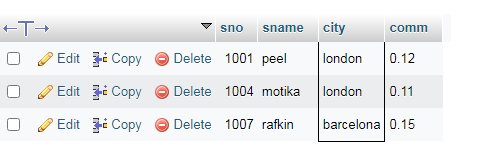
**Output:**



1. **All salespeople either in Barcelona or in London.**

* SELECT \* from sale\_person WHERE city='barcelona' OR city='london';

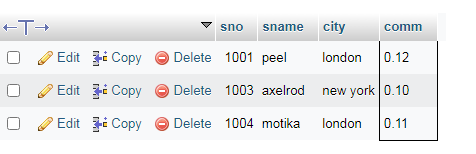
**Output:**



1. **All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).**

* SELECT \* from sale\_person WHERE comm BETWEEN 0.10 AND 0.12;

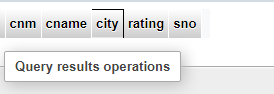
**Output:**



1. **All customers with NULL values in city column.**

* Select \* from customer where city is null;

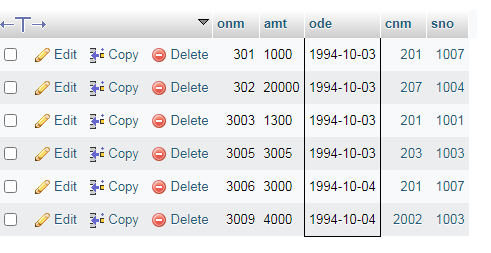
**Output:**



1. **All orders taken on Oct 3Rd and Oct 4th 1994.**

* Select \* from order\_tbl WHERE ode IN ('1994-10-03','1994-10-04');

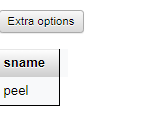
**Output:**



1. **All customers serviced by peel or Motika.**

* SELECT sale\_person.sname FROM customer INNER JOIN sale\_person ON customer.sno = sale\_person.sno WHERE sname = 'peel' or 'motika'

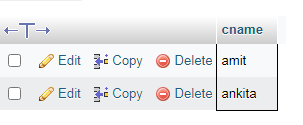
**Output:**



1. **All customers whose names begin with a letter from A to B**

* Select cname from customer WHERE cname like 'a%' or cname like 'b%';

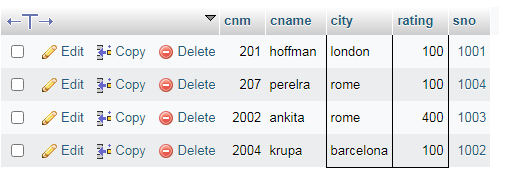
**Output:**



1. **All customers excluding those with rating <= 100 unless they are located in Rome.**

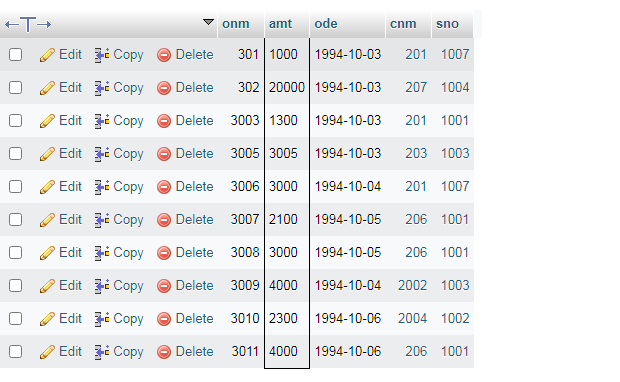
* Select \* from customer WHERE rating <= 100 or city = 'rome';

**Output:**



1. **All orders except those with 0 or NULL value in amt field.**

* Select \* from order\_tbl WHERE amt != 0 or amt is not null;
* **Output:**



1. **Count the number of salespeople currently listing orders in the order table.**

* Select count(DISTINCT sno) from order\_tbl;

**Output:**

