**Topic – SQL  Task -1**

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

**Quary:-** [**SELECT**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) **first\_name as "employee name" FROM employee;**

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

employee table.

**Quary:-** [**SELECT**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) **FIRST\_NAME, joining\_year, joining\_month, joining\_date from EMPLOYEE;**

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

**Quarry:-** [**SELECT**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) **\* FROM employee ORDER BY first\_name DESC;**

(D)Get employee details from the employee table whose first name contains „o‟.

**Quarry:-** [**SELECT**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) **\* FROM EMPLOYEE WHERE FIRST\_NAME** [**LIKE**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like) **'o%';**

**(E)Get employee details from the employee table whose joining month is “January”.**

**Quarry:-** [**SELECT**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) **\* FROM EMPLOYEE WHERE joining\_month='january';**

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

**Quarry:-**[select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from employee\_table ORDER BY department, salary desc;

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

**Quarry:**[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) department, [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_max)(salary) MAXsalary FROM employee\_table GROUP BY department ORDER BY MAXsalary ASC;

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

Quarry:[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME,INCENTIVE\_AMT FROM EMPLOYEE A INNER JOIN INCENTIVES B ON A.EM\_ID=B.EMPLOYEE\_REF\_ID [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) INCENTIVE\_AMT >3000;

(I) Select 2nd Highest salary from employee table.

Quarry:[select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \*from employee group by salary order by salary desc limit 1,1;

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

Quarry:[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) incentives\_table.Incentive\_amt, employee\_table.first\_name FROM incentives\_table [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html%23function_left) JOIN employee\_table ON incentives\_table.insentive\_id = employee\_table.em\_id;

**TASK-2:**

1. All orders for more than $1000.

Quarry:- [select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from order\_table WHERE AMT > 1000;

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

Quarry:[Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) sname, city from sales\_table where COMM > 0.10 [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) city = 'london';

1. All salespeople either in Barcelona or in London.

Quarry:[Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from sales\_table where city='Barcelona' [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_or) city= 'London';

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

Quarry:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM sales\_table WHERE comm > 0.10 [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) comm < 0.12;

1. All customers with NULL values in city column.

Quarry:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `customer\_table` WHERE city [is](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) null;

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

Quarry:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `order\_table` WHERE ODE [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23function_in) ('1994-10-03','1994-10-04');

1. All customers serviced by peel or Motika.

Quarry:[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) sales\_table.sname FROM customer\_table INNER JOIN sales\_table ON customer\_table.sno = sales\_table.sno WHERE sname = 'peel' [or](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_or) 'motika';

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

Quarry:[Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) cname from customer\_table WHERE cname [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) 'a%' [or](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_or) cname [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) 'b%';

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

Quarry:[Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from customer\_table WHERE rating <= 100 [or](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_or) city = 'rome';

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

Quarry:- [Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from order\_table WHERE amt != 0 [or](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_or) amt [is](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) [not](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) null;

(K) Count the number of salespeople currently listing orders in the order table.

Quarry:- [Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_count)(DISTINCT sno) from order\_table;