**Table 1 –EMPLOYEE**

Create table Employee

(

EM\_ID INT(20) PRIMARY KEY ,

FIRST\_NAME VARCHAR(50),

LAST\_NAME VARCHAR(50),

SALARY INT(20),

JOINING\_DATE DATE,

DEPARTMENT VARCHAR(30));

**Table –Incentives**

create table Incentives

( Incentive\_id int(20),

employee\_Ref\_Id int(20),

Incentive\_date date,

Incentive\_Amt int(30)

)

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

Query- [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;

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

Query- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, YEAR(JOINING\_DATE) AS Joining\_Year,

 MONTH(JOINING\_DATE) AS Joining\_Month, DAY(JOINING\_DATE) AS

 Joining\_Date FROM employee;

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

Query- [Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from employee order by FIRST\_NAME ASC,SALARY DESC;

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

Query- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html" \t "mysql_doc) \* 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%23operator_like) '%o%';

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

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `employee` WHERE month(JOINING\_DATE)=1;

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

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) department,[SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_sum" \t "mysql_doc)(SALARY) as Total\_salary from employee ORDER by

DEPARTMENT,Total\_salary DESC;

1. Get department wise maximum salary from employee table order by salary ascending?

[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) AS Maximum\_Salary FROM employee GROUP BY Department ORDER BY Maximum\_Salary ASC;

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

SELECT employee.first\_name, incentives.Incentive\_Amt FROM employee

INNER JOIN incentives ON employee.EM\_ID = incentives.employee\_Ref\_Id

WHERE incentives.Incentive\_Amt > 3000;

1. Select 2nd Highest salary from employee table.

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_max)(Salary) AS Second\_Highest\_Salary FROM employee WHERE

Salary < ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_max)(Salary) FROM employee);

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

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) employee.first\_name, incentives.Incentive\_Amt FROM employee [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html%23function_left) JOIN incentives ON employee.EM\_ID = incentives.employee\_Ref\_Id;

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

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-view.html) [VIEW](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-view.html) EmployeeView AS [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) first\_name, last\_name, salary FROM

employee;

1. Create Procedure to find out department wise highest salary.

CREATE PROCEDURE GetDepartmentHighestSalary()

BEGIN

SELECT department, MAX(salary) AS highest\_salary

FROM employees

GROUP BY department;

END

//Procedure created

CALL GetDepartmentHighestSalary();

//output highest salary by department wise