Topic – SQL Task-1

**Create Employee Table and Incentives Table**

**Table: - Employee**

CREATE TABLE Employee (em\_id int PRIMARY KEY AUTO\_INCREMENT,first\_name varchar(150),last\_name varchar(150),salary int,joining\_date date,department varchar(150));

INSERT INTO `employee` (`em\_id`, `first\_name`, `last\_name`, `salary`, `joining\_date`, `department`) VALUES (NULL, 'Jhon', 'Abraham', '1000000', '2013-01-01', 'Banking'), (NULL, 'Michael', 'Clerk', '800000', '2013-01-01', 'Insurance'), (NULL, 'Roy', 'Thomas', '700000', '2013-02-01', 'Banking'), (NULL, 'Tom', 'Jose', '600000', '2013-02-01', 'Insurance'), (NULL, 'Jerry', 'Pinto', '650000', '2013-01-01', 'Insurance'), (NULL, 'Philip', 'Mathew', '750000', '2013-01-01', 'Services'), (NULL, 'Testname1', '123', '650000', '2013-01-01', 'services'), (NULL, 'Testname2', 'Lname%', '600000', '2013-02-01', 'Insurance');

**Table: - Incentives**

CREATE TABLE incentives (insentive\_id int PRIMARY KEY AUTO\_INCREMENT,employee\_ref\_id int,FOREIGN KEY (employee\_ref\_id) REFERENCES employee(em\_id),incentive\_date date,incentive\_amt int)

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

select first\_name as 'Employee Name' from employee;

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

select first\_name as 'Employee Name',year(joining\_date) as 'Joining Year',month(joining\_date) as 'Joining Month' from employee;

1. **Get all employee details from the employee table order by First Name Ascending And Salary descending?**
2. **Get employee details from employee table whose first name contains „o‟.**

select \* from employee where first\_name 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,salary from employee order by salary desc;

1. **Get department wise maximum salary from employee table order by salary ascending?**
2. **Select first\_name, incentive amount from employee and incentives table for those Employees who have incentives and incentive amount greater than 3000**
3. **Select 2nd Highest salary from employee table.**
4. **Select first\_name, incentive amount from employee and incentives table for all Employees who got incentives using left join.**
5. **Create View OF Employee table in which store first name, last name and salary only.**
6. **Create Procedure to find out department wise highest salary.**
7. **Create after Insert trigger on Employee table which insert records in view table.**