**Topic –SQL Task-1**

1. SELECT FirstName AS 'Employee Name' FROM Employee table;
2. SELECT FIRST\_NAME, YEAR(Joining\_Date) AS Joining\_Year, MONTH(Joining\_Date) AS Joining\_Month, DAY(Joining\_Date) AS Joining\_Day

FROM employee;

1. SELECT \* FROM employee ORDER BY FIRST\_NAME ASC, SALARY DESC;
2. SELECT \* FROM employee WHERE FIRST\_NAME LIKE '%o%';
3. SELECT \* FROM employee WHERE MONTH(Joining\_Date) = 1;
4. SELECT DEPARTMENT, SUM(SALARY) AS Total\_Salary FROM employee GROUP BY DEPARTMENT ORDER BY Total\_Salary DESC;
5. SELECT DEPARTMENT, MAX(SALARY) AS Max\_Salary FROM employee GROUP BY DEPARTMENT ORDER BY Max\_Salary ASC;
6. SELECT e.FIRST\_NAME, i.INCENTIVE\_AMOUNT FROM employee e JOIN incentives i ON e.EMPLOYEE\_ID = i.EMPLOYEE\_ID WHERE i.INCENTIVE\_AMOUNT > 3000;
7. SELECT MAX(SALARY) AS Second\_Highest\_Salary FROM employee WHERE SALARY < (SELECT MAX(SALARY) FROM employee);
8. SELECT e.FIRST\_NAME, i.INCENTIVE\_AMOUNT FROM employee e LEFT JOIN incentives i ON e.EMPLOYEE\_ID = i.EMPLOYEE\_ID WHERE i.INCENTIVE\_AMOUNT IS NOT NULL;
9. CREATE VIEW EmployeeView AS SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM employee;
10. DELIMITER // CREATE PROCEDURE FindDepartmentWiseHighestSalary() BEGIN SELECT DEPARTMENT, MAX(SALARY) AS Highest\_Salary FROM employee GROUP BY DEPARTMENT; END // DELIMITER ; CALL FindDepartmentWiseHighestSalary();
11. CREATE VIEW EmployeeView AS SELECT EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, SALARY FROM employee;

DELIMITER //

CREATE TRIGGER AfterEmployeeInsert AFTER INSERT ON employee FOR EACH ROW BEGIN INSERT INTO EmployeeView (EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, SALARY) VALUES (NEW.EMPLOYEE\_ID, NEW.FIRST\_NAME, NEW.LAST\_NAME, NEW.SALARY);

END //

DELIMITER ;

**Task-2:**

1. SELECT \* FROM orders WHERE order\_amount > 1000;
2. SELECT name, city FROM salespeople WHERE city = 'London' AND commission > 0.10;
3. SELECT name, city, commission FROM salespeople WHERE commission > 0.10 AND commission < 0.12;
4. SELECT \* FROM customers WHERE city IS NULL;
5. SELECT \* FROM orders WHERE order\_date IN ('1994-10-03', '1994-10-04');
6. SELECT \* FROM customers WHERE serviced\_by IN ('Peel', 'Motika');
7. SELECT \* FROM customers WHERE name LIKE 'A%' OR name LIKE 'B%';
8. SELECT \* FROM customers WHERE name LIKE '[A-B]%';
9. SELECT \* FROM customers WHERE rating > 100 OR city = 'Rome';
10. SELECT \* FROM orders WHERE amt <> 0 AND amt IS NOT NULL;
11. SELECT COUNT(DISTINCT salesperson\_id) AS NumberOfSalespeople FROM orders;