Welcome to the MySQL monitor. Commands end with ; or \g.

**\*\*CREATING DATABASE\*\***

**mysql> CREATE DATABASE task3;**

Query OK, 1 row affected (0.10 sec)

mysql> USE task3;

Database changed

mysql> SELECT DATABASE();

+------------+

| DATABASE() |

+------------+

| task3 |

+------------+

1 row in set (0.00 sec)

**\*\*CREATING EMPLOYEE TABLE\*\***

**mysql> CREATE TABLE employee(**

-> employeeid INT AUTO\_INCREMENT PRIMARY KEY,

-> Firstname VARCHAR(50),

-> Lastname VARCHAR(50),

-> Salary DECIMAL(10,2),

-> Joiningdate DATE,

-> Department VARCHAR(50)

-> );

Query OK, 0 rows affected (0.79 sec)

**\*\*CREATING TABLE INCENTIVE\*\***

**mysql> CREATE TABLE incentive(**

-> incentiveid INT AUTO\_INCREMENT PRIMARY KEY,

-> Employeeid INT,

-> Incentivedate DATE,

-> Incentiveamount DECIMAL(10,2)

-> );

Query OK, 0 rows affected (0.26 sec)

**\*\*INSERTING VALUES INTO “EMPLOYEE TABLE”\*\***

**mysql> INSERT INTO employee(Firstname, Lastname, Salary, Joiningdate, Department)**

-> VALUES

-> ('Tom', 'Smith', 50000, '2023-01-15', 'Manager'),

-> ('Bharat', 'Singh', 90000, '2021-02-15', 'Banking'),

-> ('Jerry', 'Johnson', 60000, '2023-02-20', 'Insurance'),

-> ('Charlie', 'Chaplin', 62000, '2023-05-12', 'Services'),

-> ('Alice', 'Wonderland', 55000, '2023-03-10', 'Banking'),

-> ('Ankit', 'Yadav', 55000, '2023-09-19', 'Insurance'),

-> ('Amit', 'Patel', 60000, '2022-08-29', 'Services'),

-> ('Rajendra', 'Rawat', 60000, '2019-12-20', 'Insurance'),

-> ('Jerry', 'Hank', 75000, '2018-10-29', 'Banking'),

-> ('Raj', 'Khode', 98000, '2015-09-19', 'Insurance');

Query OK, 10 rows affected (0.40 sec)

**\*\*INSERTING DATA INTO INCENTIVE TABLE\*\***

mysql> INSERT INTO Incentive (EmployeeID, IncentiveDate, IncentiveAmount)

-> VALUES

-> (1, '2023-01-20', 3500.00),

-> (2, '2023-02-25', 2800.00),

-> (3, '2023-03-20', 4200.00),

-> (4, '2023-04-15', 3900.00),

-> (5, '2023-05-10', 4100.00);

Query OK, 5 rows affected (1.09 sec)

**\*\*SHOWING OUTPUT OF TABLE EMPLOYEE\*\***

**mysql> SELECT\*FROM employee;**

+------------+-----------+------------+----------+-------------+------------+

| employeeid | Firstname | Lastname | Salary | Joiningdate | Department |

+------------+-----------+------------+----------+-------------+------------+

| 1 | Tom | Smith | 50000.00 | 2023-01-15 | Manager |

| 2 | Bharat | Singh | 90000.00 | 2021-02-15 | Banking |

| 3 | Jerry | Johnson | 60000.00 | 2023-02-20 | Insurance |

| 4 | Charlie | Chaplin | 62000.00 | 2023-05-12 | Services |

| 5 | Alice | Wonderland | 55000.00 | 2023-03-10 | Banking |

| 6 | Ankit | Yadav | 55000.00 | 2023-09-19 | Insurance |

| 7 | Amit | Patel | 60000.00 | 2022-08-29 | Services |

| 8 | Rajendra | Rawat | 60000.00 | 2019-12-20 | Insurance |

| 9 | Jerry | Hank | 75000.00 | 2018-10-29 | Banking |

| 10 | Raj | Khode | 98000.00 | 2015-09-19 | Insurance |

+------------+-----------+------------+----------+-------------+------------+

10 rows in set (0.27 sec)

**\*\*SHOWING OUTPUT OF TABLE INCENTIVE\*\***

**mysql> SELECT\*FROM incentive;**

+-------------+------------+---------------+-----------------+

| incentiveid | Employeeid | Incentivedate | Incentiveamount |

+-------------+------------+---------------+-----------------+

| 1 | 1 | 2023-01-20 | 3500.00 |

| 2 | 2 | 2023-02-25 | 2800.00 |

| 3 | 3 | 2023-03-20 | 4200.00 |

| 4 | 4 | 2023-04-15 | 3900.00 |

| 5 | 5 | 2023-05-10 | 4100.00 |

+-------------+------------+---------------+-----------------+

5 rows in set (0.00 sec)

**\*\*Q1. Get First\_Name from employee table using Tom name “Employee Name”\*\***

**mysql> SELECT FirstName AS "Employee Name"**

**-> FROM Employee**

**-> WHERE FirstName = 'Tom';**

+---------------+

| Employee Name |

+---------------+

| Tom |

+---------------+

1 row in set (0.08 sec)

**\*\*Q2. Get FIRST\_NAME, Joining Date, and Salary from employee table\*\***

**mysql> SELECT FirstName AS "FIRST\_NAME", JoiningDate, Salary**

**-> FROM Employee;**

+------------+-------------+----------+

| FIRST\_NAME | JoiningDate | Salary |

+------------+-------------+----------+

| Tom | 2023-01-15 | 50000.00 |

| Bharat | 2021-02-15 | 90000.00 |

| Jerry | 2023-02-20 | 60000.00 |

| Charlie | 2023-05-12 | 62000.00 |

| Alice | 2023-03-10 | 55000.00 |

| Ankit | 2023-09-19 | 55000.00 |

| Amit | 2022-08-29 | 60000.00 |

| Rajendra | 2019-12-20 | 60000.00 |

| Jerry | 2018-10-29 | 75000.00 |

| Raj | 2015-09-19 | 98000.00 |

+------------+-------------+----------+

10 rows in set (0.00 sec)

**\*\*Q3. Get all employee details from the employee table order by First\_Name Ascending and Salary descending?\*\***

**mysql> SELECT \*FROM Employee**

**-> ORDER BY FirstName ASC, Salary DESC;**

+------------+-----------+------------+----------+-------------+------------+

| employeeid | Firstname | Lastname | Salary | Joiningdate | Department |

+------------+-----------+------------+----------+-------------+------------+

| 5 | Alice | Wonderland | 55000.00 | 2023-03-10 | Banking |

| 7 | Amit | Patel | 60000.00 | 2022-08-29 | Services |

| 6 | Ankit | Yadav | 55000.00 | 2023-09-19 | Insurance |

| 2 | Bharat | Singh | 90000.00 | 2021-02-15 | Banking |

| 4 | Charlie | Chaplin | 62000.00 | 2023-05-12 | Services |

| 9 | Jerry | Hank | 75000.00 | 2018-10-29 | Banking |

| 3 | Jerry | Johnson | 60000.00 | 2023-02-20 | Insurance |

| 10 | Raj | Khode | 98000.00 | 2015-09-19 | Insurance |

| 8 | Rajendra | Rawat | 60000.00 | 2019-12-20 | Insurance |

| 1 | Tom | Smith | 50000.00 | 2023-01-15 | Manager |

+------------+-----------+------------+----------+-------------+------------+

10 rows in set (0.04 sec)

**\*\*Q4. Get employee details from employee table whose first name contains ‘J’.\*\***

**mysql> SELECT\*FROM Employee**

**-> WHERE FirstName LIKE '%J%';**

+------------+-----------+----------+----------+-------------+------------+

| employeeid | Firstname | Lastname | Salary | Joiningdate | Department |

+------------+-----------+----------+----------+-------------+------------+

| 3 | Jerry | Johnson | 60000.00 | 2023-02-20 | Insurance |

| 8 | Rajendra | Rawat | 60000.00 | 2019-12-20 | Insurance |

| 9 | Jerry | Hank | 75000.00 | 2018-10-29 | Banking |

| 10 | Raj | Khode | 98000.00 | 2015-09-19 | Insurance |

+------------+-----------+----------+----------+-------------+------------+

4 rows in set (0.07 sec)

**\*\*Q5. Get department wise maximum salary from employee table order by salary ascending?\*\***

**mysql> SELECT Department, MAX(Salary) AS MaxSalary**

**-> FROM Employee**

**-> GROUP BY Department**

**-> ORDER BY MaxSalary ASC;**

+------------+-----------+

| Department | MaxSalary |

+------------+-----------+

| Manager | 50000.00 |

| Services | 62000.00 |

| Banking | 90000.00 |

| Insurance | 98000.00 |

+------------+-----------+

4 rows in set (0.24 sec)

**\*\*Q6. Select first\_name, incentive amount from employee and incentives table for those employees who have incentives and incentive amount greater than 3000\*\***

**mysql> SELECT E.FirstName AS first\_name, I.IncentiveAmount AS incentive\_amount**

**-> FROM Employee E**

**-> JOIN Incentive I ON E.EmployeeID = I.EmployeeID**

**-> WHERE I.IncentiveAmount > 3000;**

+------------+------------------+

| first\_name | incentive\_amount |

+------------+------------------+

| Tom | 3500.00 |

| Jerry | 4200.00 |

| Charlie | 3900.00 |

| Alice | 4100.00 |

+------------+------------------+

4 rows in set (0.02 sec)

**\*\*Q7. Create After Insert trigger on Employee table which insert records in view table\*\***

***\*\*CREATING VIEW TABLE\*\****

mysql> CREATE VIEW view\_employee AS

-> SELECT employeeid, Firstname, Lastname, Salary

-> FROM employee;

Query OK, 0 rows affected (2.39 sec)

mysql> DELIMITER //

mysql> CREATE TRIGGER employee\_ALTERINSERT

-> AFTER INSERT ON employee

-> FOR EACH ROW

-> BEGIN

-> INSERT INTO view\_employee (employeeid, Firstname, Lastname, Salary)

-> VALUES (NEW.employeeid, NEW.Firstname, NEW.Lastname, NEW.Salary);

-> END;

-> //

Query OK, 0 rows affected (0.07 sec)

**\*\*OUTPUT FOR QUESTION 7.\*\***

mysql> SELECT\*FROM view\_employee;

+------------+-----------+------------+----------+

| employeeid | Firstname | Lastname | Salary |

+------------+-----------+------------+----------+

| 1 | Tom | Smith | 50000.00 |

| 2 | Bharat | Singh | 90000.00 |

| 3 | Jerry | Johnson | 60000.00 |

| 4 | Charlie | Chaplin | 62000.00 |

| 5 | Alice | Wonderland | 55000.00 |

| 6 | Ankit | Yadav | 55000.00 |

| 7 | Amit | Patel | 60000.00 |

| 8 | Rajendra | Rawat | 60000.00 |

| 9 | Jerry | Hank | 75000.00 |

| 10 | Raj | Khode | 98000.00 |

+------------+-----------+------------+----------+

10 rows in set (0.05 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*