Table 1:-

CREATE TABLE student

(

Rollno int PRIMARY KEY AUTO\_INCREMENT,

Name varchar(40),

Branch varchar(50)

)

INSERT INTO `student` (`Rollno`, `Name`, `Branch`) VALUES (NULL, 'Jay', 'Computer Science'),

(NULL, 'Suhani', 'Electronic and Com'), (NULL, 'Kriti', 'Electronic and Com');

CREATE TABLE exam

(

S\_code varchar(30),

Marks int,

P\_code varchar(40),

Rollno\_fk int,

FOREIGN KEY(Rollno\_fk) REFERENCES student(Rollno)

)

INSERT INTO `exam` (`S\_code`, `Marks`, `P\_code`, `Rollno\_fk`) VALUES ('CS11', '50', 'CS', '1'),

('CS12', '60', 'CS', '1'), ('EC101', '66', 'EC', '2'), ('EC102', '70', 'EC', '2'), ('EC101', '45', 'EC', '3'), ('EC102', '50', 'EC', '3');

Table 2:-

CREATE TABLE person

(

First\_Name Varchar(50),

Last\_Name varchar(40),

Address varchar(40),

City varchar(40),

Age int

)

INSERT INTO `person` (`First\_Name`, `Last\_Name`, `Address`, `City`, `Age`) VALUES ('Mickey', 'Mouse', '123 Fantasy Way', 'Anaheim', '73'),

('Bat', 'Man', 'Cavern Ave', 'Gotham', '54'), ('Wonder', 'Women', '987 Truth Way', 'Paradise', '39'),

('Donald', 'Duck', '555 Quack Street', 'Mallard', '65'), ('Bugs', 'Bunny', '567 Carrot Street', 'Rascal', '58'),

('Wiley', 'Coyote', '999 Acme Way', 'Canyon', '61'), ('Cat', 'Women', '234 Purrfect Street', 'Hairball', '32'), ('Tweety', 'Bird', '543', 'Itotltaw', '28');

Table 3:-

CREATE TABLE employee

(

employee\_id int PRIMARY KEY AUTO\_INCREMENT,

First\_name varchar(50),

Last\_name varchar(40),

Salary int,

Joining\_date varchar(50),

Department varchar(40)

)

INSERT INTO `employee` (`employee\_id`, `First\_name`, `Last\_name`, `Salary`, `Joining\_date`, `Department`)

VALUES (NULL, 'John', 'Abraham', '1000000', '01-JAN-13 12.00.00 AM', 'Banking'),

(NULL, 'Michael', 'Clarke', '800000', '01-JAN-13 12.00.00 AM', 'Insurance'), (NULL, 'Roy ', 'Thomas', '700000', '01-FEB-13 12.00.00 AM', 'Banking'),

(NULL, 'Tom', 'Jose', '600000', '01-FEB-13 12.00.00 AM', 'Insurance'), (NULL, 'Jerry', 'Pinto', '650000', '01-FEB-13 12.00.00 AM', 'Insurance'),

(NULL, 'Philip', 'Mathew', '750000', '01-JAN-13 12.00.00 AM', 'Services'), (NULL, 'TestName1', '123', '650000', '01-JAN-13 12.00.00 AM', 'Services'),

(NULL, 'TestName2', 'Lname%', '600000', '01-FRB-13 12.00.00 AM', 'Insurance');

CREATE TABLE incentive

(

employee\_id\_fk int,

FOREIGN KEY(employee\_id) REFERENCES employee(employee\_id),

incentive\_date varchar(50),

incentive\_amount int

)

INSERT INTO `incentive` (`employee\_id\_fk`, `incentive\_date`, `incentive\_amount`) VALUES ('1', '01-FEB-13', '5000'),

('2', '01-FEB-13', '3000'), ('3', '01-MARCH-13', '2000'), ('2', '01-MARCH-13', '5000'), ('5', '01-FEB-13', '6000'),

('3', '01-JULY-13', '8000'), ('4', '01-FEB-13', '3500'), ('6', '01-AUG-13', '7800');

a) Get First\_Name from employee table using Tom name “Employee Name”.

-> SELECT \* FROM employee WHERE First\_name LIKE 'TOM'

b)Get FIRST\_NAME, Joining Date, and Salary from employee table.

-> SELECT First\_name,Joining\_date,Salary FROM employee

c) Get all employee details from the employee table order by First\_Name Ascending and Salary descending?

-> SELECT \* FROM employee ORDER BY First\_name ASC

SELECT \* FROM employee ORDER BY Salary DESC

d) Get employee details from employee table whose first name contains ‘J’.

-> SELECT \* FROM employee WHERE First\_name LIKE 'J%'

e) Get department wise maximum salary from employee table order by salary ascending?

-> SELECT \* FROM employee ORDER BY Salary ASC

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

-> SELECT \* FROM incentive WHERE incentive\_amount > 3000

g) Create After Insert trigger on Employee table which insert records in view table

-> DELIMITER $$

CREATE TRIGGER insert\_trigger AFTER INSERT ON Employee FOR EACH ROW

BEGIN

INSERT INTO test(First\_name,Last\_name,Salary,Joining\_date,Department) VALUES(new.First\_name,new.Last\_name,new.Salary,new.Joining\_date,new.Department,"Record Inserted!");

END

Table 4:-

CREATE TABLE salesperson

(

sno int PRIMARY KEY AUTO\_INCREMENT,

sname varchar(40),

city varchar(30),

comm varchar(30)

)

INSERT INTO `salesperson` (`sno`, `sname`, `city`, `comm`) VALUES (NULL, 'Peel', 'London', '.12'),

(NULL, 'Serres', 'San Jose', '.13'), (NULL, 'Motika', 'London', '.11'), (NULL, 'Rafkin', 'Barcelona', '.15'), (NULL, 'Axelrod', 'New York', '.1');

CREATE TABLE customer

(

cnm int PRIMARY KEY AUTO\_INCREMENT,

cname varchar(40),

city varchar(50),

rating int,

sno\_fk int,

FOREIGN KEY(sno\_fk) REFERENCES salesperson(sno)

)

INSERT INTO `customer` (`cnm`, `cname`, `city`, `rating`, `sno\_fk`) VALUES (NULL, 'Hoffman', 'London', '100', '1'),

(NULL, 'Giovanne', 'Roe', '200', '5'), (NULL, 'Liu', 'San Jose', '300', '2'), (NULL, 'Grass', 'Barcelona', '100', '2'),

(NULL, 'Clemens', 'London', '300', '4'), (NULL, 'Pereira', 'Roe', '100', '3');

b) Names and cities of all salespeople in London with commission above 0.12

-> SELECT city="London" FROM salesperson WHERE comm>=.12

c) All salespeople either in Barcelona or in London

-> SELECT city = "Barcelona" OR city = "London" FROM salesperson

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

-> SELECT \* FROM salesperson WHERE comm BETWEEN .10 and .12

e) All customers excluding those with rating <= 100 unless they are located in Rome

-> SELECT city="Roe" FROM customer WHERE rating<=100