**Module 5**

**1.Create Table Name: Student and Exam name:**

**CREATE TABLE student (Rollno int PRIMARY KEY AUTO\_INCREMENT NOT null,Name varchar(20),Branch varchar(20));**

**INSERT INTO student (Rollno,Name,Branch)VALUES (1,"JAY","ComputerScience"),**

**(2,"SUHANI","Electronic and Comp"),**

**(3,"KRITI","Electronic and Comp");**

**CREATE TABLE Exam(Rollno int, S\_code varchar(20), Marks int,P\_code varchar (20),**

**FOREIGN KEY(Rollno)REFERENCES student(Rollno));**

**INSERT into exam(Rollno,S\_code,Marks,P\_code)VALUES (1,"CS11",50,"CS"),**

**(1,"CS12",50,"CS"),**

**(2,"EC101",50,"CS"),**

**(2,"EC102",50,"CS"),**

**(3,"EC101",50,"CS"),**

**(3,"EC102",50,"CS");**

**2. Create table name given below:**

**CREATE TABLE LT12(FirstName Varchar(20),Lastname varchar(20),Address varchar(20),city varchar(20),Age int PRIMARY KEY AUTO\_INCREMENT NOT null);**

INSERT INTO lt12 (FirstName,Lastname,Address,city,Age)VALUES

("Mickey","Mouse","123Fantasy way","Anaheim",72),

("Bat","Man","321Cavern Ave","Gotham",54),

("Wonder","Woman","987Truth way","Paradise",39),

("Donald","Duck","555Quack Street","Mallard",65),

("Bugs","Bunny","567Carrot Street","Rascal",58),

("Willey","Coyote","999Acne way","Canyon",61),

("Cat","Woman","234Purrfect street","Hairball",32),

("Tweety","Bird","543 way","Itotitaw",28);

3. Create table given below: Employee and Incentive:

Table Name: Employee

CREATE TABLE Emplyoee(Emplyoee\_id int PRIMARY KEY AUTO\_INCREMENT NOT null,First\_name varchar(20),Last\_name varchar(20),salary bigint,joining\_data datetime,department varchar(20));

INSERT INTO emplyoee (Emplyoee\_id,first\_name,last\_name,salary,joining\_data,department)VALUES

(1,"John","Abraham",1000000,"2013-01-01","Banking"),

(2,"Michael","Clarke",800000,"2013-01-01","Insurance"),

(3,"Roy","Thomas",700000,"2013-02-01","Banking"),

(4,"Tom","jose",600000,"2013-02-01","Insurance"),

(5,"Jerry","Pinto",650000,"2013-02-01","Insurance"),

(6,"Phillips","Matthew",750000,"2013-01-01","Service"),

(7,"Testname1","123",650000,"2013-01-01","Services"),

(8,"Testname2","Lname%",600000,"2013-02-01","Insurance");

CREATE TABLE Incentive(Employee\_ref\_id int,Incentive\_data date, Incentive\_amount bigint,FOREIGN KEY (Employee\_ref\_id) REFERENCES emplyoee(emplyoee\_id));

INSERT INTO incentive(Employee\_ref\_id,Incentive\_data,Incentive\_amount)VALUES

(1,"2013-02-01",5000),

(2,"2013-02-01",3000),

(3,"2013-02-01",4000),

(1,"2013-02-01",4500),

(2,"2013-02-01",3500);

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

SELECT First\_name AS Employee\_name FROM emplyoee WHERE first\_name="Tom";

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

SELECT First\_name,date\_format(joining\_data, "%d-%m-%y %h-%i-%s %p") AS joining\_data, salary FROM emplyoee;

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

SELECT \* FROM emplyoee ORDER BY First\_name ASC, salary DESC;

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

SELECT \* FROM emplyoee WHERE First\_name LIKE "%J%";

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

SELECT department, MAX(salary) FROM emplyoee

GROUP BY department

ORDER BY 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 emplyoee.First\_name,incentive.Incentive\_amount FROM emplyoee

INNER JOIN incentive ON emplyoee.Emplyoee\_id= incentive.Employee\_ref\_id WHERE incentive.Incentive\_amount >3000;

1. Create After Insert trigger on Employee table which insert records in view table

CREATE TABLE triggerinfo(Emploeyess\_id int ,fname varchar(20), lname varchar(20), FETCH\_time timestamp, ACTION varchar(20));

CREATE TRIGGER triggerinfo AFTER INSERT on emplyoee for each ROW

INSERT INTO triggerinfo (Emploeyess\_id ,fname, lname, ACTION)VALUES (New.emplyoee\_id,New.first\_name,new.last\_name,"Data insert");

4. Create table given below: Salesperson and Customer

CREATE TABLE Salesperson(SNo int PRIMARY KEY AUTO\_INCREMENT NOT null,Sname varchar(20),City varchar(20),Comm float(2));

INSERT INTO salesperson (Sno,Sname,City,Comm) VALUES

(1001,"Peel","London",.12),

(1002,"Serres","San jose",.13),

(1004,"Motika","London",.11),

(1007,"Rafkin","Barcelona",.15),

(1003,"Axelrod","New york",.1);

CREATE table customer (CNM int PRIMARY KEY AUTO\_INCREMENT NOT null,Cname varchar(20),City varchar(20),Rating int, Sno int, FOREIGN KEY (Sno) REFERENCES salesperson (Sno));

INSERT INTO customer (CNM,Cname,City,Rating,Sno)VALUES

(201,"Hoffman","London",100,1001),

(202,"Giovanne","Rome",200,1003),

(203,"Liu","san jose",300,1002),

(204,"Grass","barcelona",100,1002),

(206,"Clemens","London",300,1007),

(207,"Periera","Rome",100,1004);

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

SELECT Sname,City FROM salesperson WHERE comm >.12;

c) All salespeople either in Barcelona or in London

SELECT \* FROM salesperson WHERE City="London" OR City="Barcelona";

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

SELECT \* FROM `salesperson` WHERE comm >.10 and Comm <.12;

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

SELECT \* FROM `customer` WHERE (Rating > 100 or City !="Rome") or City ="Rome";