**MODULE : 5 (DATABASE)**

**TASK**

1. Create Table Name : Student and Exam

QUERY:

Ans:-

use assignment;

Create Table:

create table student(Rollno int primary KEY auto\_increment,name varchar(30),Branch varchar(30));

Data Insert:

insert into student(name,Branch)values ("Jay","Computer Science"),("Suhani","Electronic And com"),("kriti","Electronic and com");

use assignment;

Create Table:

create table exam\_1(roll\_no int not null,foreign key(roll\_no) references student(Rollno),scode varchar(20),marks int(100),p\_code varchar(20));

Data Insert:

Insert into exam\_1(roll\_no,scode,marks,p\_code)values(1,"cs11",50,"cs"),(1,"cs12",60,"cs"),(2,"ec101",66,"ec"),(2,"ec102",70,"ec"),(3,"ec101",45,"ec"),(3,"ec102",50,"ec");

1. Create table given below

QUERY:

Create Table:

create table emp(FirstName varchar(20) not null,LastName varchar(20) not null,Address varchar(25) not null,City varchar(15) not null,Age int(5) not null);

Data Insert:

insert into emp(FirstName,LastName,Address,City,Age) values ("Mickey","Mouse","123 Fantasy Way","Anaheim",73),("Bat","Man","321 Cavern Ave","Gotham",54),("Wonder","Woman","987 Truth Way","Paradise",39),("Donald","Duck","555 Quack Street","Mallard",56),("Bugs","Bunny","567 Carrot Street","Rascal",58),("Wiley","Coyote","999 Acme Way","Canyon",61),("Cat","Woman","234 Purrfect Street","Hairball",32),("Tweety","Bird","543","Itotlow",28);

3.Table Name: Employee

QUERY:

Create Table:

create table emp\_3(employee\_id int auto\_increment primary key ,first\_name varchar(15) notnull,last\_name varchar(15) not null,salary int(10) not null,joining\_date datetime notnull,department varchar(20));

Data Insert:

insert into emp\_3(first\_name,last\_name,salary,joining\_date,department)values('John','Abraham',10000000,'2013-1-01 12:00:00 ','Banking'),('Michael','Clarke',800000,'2013-1-01 12:00:00','Insurance'),('Roy','Thomes',700000,'2013-2-01 12:00:00 ','Banking'),('Tom','Jose',600000,'2013-2-01 12:00:00','Insurance'),('Jerry','Pinto',650000,'2013-2-01 12:00:00','Insurance'),('Philip','Mathew',750000,'2013-1-01 12:00:00','Service'),('TestName1','123',650000,'2013-1-01 12:00:00','Service'),('TestName2','Lname%',600000,'2013-2-01 12:00:00','Insurance');

Table Name: Incentive QUERY:

Create Table:

create table inc\_3(employee\_ref\_id int not null,incentive\_date date not n0075ll,incentive\_amount int(10));

Data Insert:

insert into inc\_3 (employee\_ref\_id,incentive\_date,incentive\_amount)values(1,'2013-02- 01',5000),(2,'2013-02-01',3000),(3,'2013-02-01',4000),(1,'2013-01-01',4500),(2,'2013-01-01',3500);

A. Get First\_Name from employee table using Tom name “Employee Name”. SELECT first\_name FROM emp\_3 WHERE first\_name = 'Tom';

B. Get FIRST\_NAME, Joining Date, and Salary from employee table. SELECT first\_name, joining\_date, salary FROM emp\_3;

C. Get all employee details from the employee table order by First\_Name Ascending and Salary descending? SELECT \* FROM emp\_3 ORDER BY first\_name ASC, salary DESC;

D. Get employee details from employee table whose first name contains ‘J’. select \* from emp\_3 where first\_name like '%j';

E. Get department wise maximum salary from employee table order by salary ascending? select department,MAX(salary) as max\_salary from emp\_3 group by department order by max\_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 3 emp\_3.first\_name,inc\_3.incentive\_amount from emp\_3 join inc\_3 on emp\_3.employee\_id=inc\_3.employee\_ref\_id where inc\_3.incentive\_amount>3000;

G. Create After Insert trigger on Employee table which insert records in view table create table viewtable(employee\_id int auto\_increment primary key ,first\_name varchar(15) not null,last\_name varchar(15) not null,salary int(10) not null,joining\_date datetime not null,department varchar(20)); create trigger emp\_3\_insert\_trigger after insert on viewtable for each row insert into emp\_3(first\_name,last\_name,salary,joining\_date,department)values ('John','Abraham',10000000,'2013-1-01 12:00:00 ','Banking');

4.Table Name: Salesperson

QUERY:

Create Table:

create table sp\_4(sno int auto\_increment not null primary key,sname varchar(15) not null,city varchar(20) not null,comm float(5) not null);

Data Insert:

insert into sp\_4(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);

Table Name: Customer:

QUERY:

Create Table:

create table custometr\_4(cnm int(5) primary key not null ,cname varchar(15) not null,city varchar(15) not null,rating int(5) not null,sno int(5) ,foreign key(sno) references sp\_4(sno));

Data Insert:

insert into custometr\_4(cnm,cname,city,rating,sno)values(201,"hoffman","londan",100,1001),(202,"giovanne", "roe",200,1003),(203,"liu","san jose",300,1002),(204,"grass","barcelona",100,1002),(206,"clemens","londan",300,1007),(207,"perei ra","roe",100,1004);

A. All orders for more than $1000.

B. Names and cities of all salespeople in London with commission above 0.12 select sname,city,comm from sp\_4 where (city=’londan’ and comm>’0.12’);

C. All salespeople either in Barcelona or in London select \* from sp\_4 where( city=’londan’ or city=’barcelona’);

D. All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded). Select \* from from sp\_4 where comm>0.10 and comm

E. All customers excluding those with rating <= 100 unless they are located in Rome select \* from custometr\_4 where not (rating <=100 and city =’rome’);