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");

2. 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',1000000,'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');