**Topic ----------------- create Table, DML , subquery and joins**

31. Practice creating following tables

MySQL syntax:

create table mydept\_DBDA

(

deptid int primary key,

dname varchar(20) not null unique,

dloc varchar(20)

)

Oracle syntax:

create table mydept\_DBDA

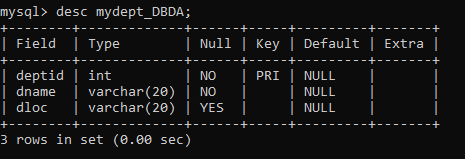
(

deptid number primary key,

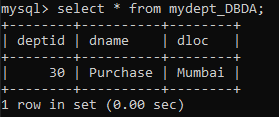
dname varchar2(20) not null unique,

dloc varchar2(20)

)



insert into mydept\_DBDA values(30,'Purchase','Mumbai');



MySql syntax:

create table myemployee

(

empno int primary key,

fname varchar(15) not null,

mname varchar(15),

lname varchar(15) not null,

sal float(9,2) check(sal >=1000),

doj date,

passportnum varchar(15) unique,

deptno int,

constraint fk\_deptno foreign key(deptno) references mydept\_DBDA(deptid) on

delete set null

on update cascade

)

Oracle syntax:

create table myemployee

(

empno number(5) primary key,

fname varchar2(15) not null,

mname varchar2(15),

lname varchar2(15) not null,

sal number(9,2) check(sal >=1000),

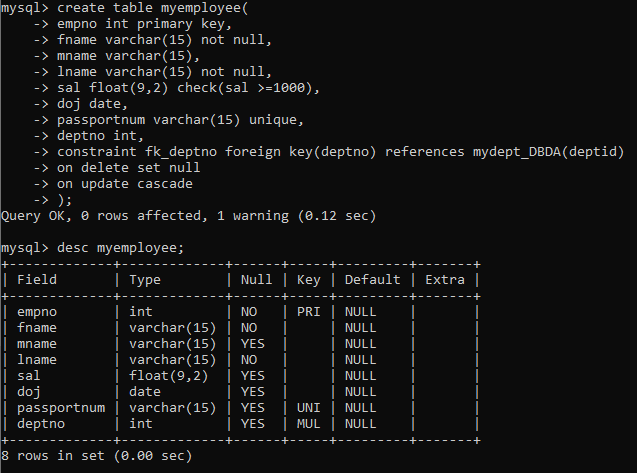
doj date default sysdate,

passportnum varchar2(15) unique,

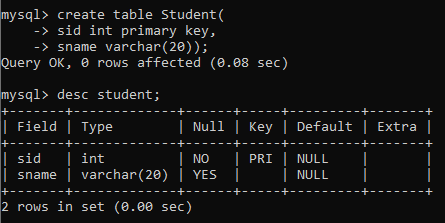
deptno number constraint fk\_deptno references mydept\_DBDA(deptid) on delete

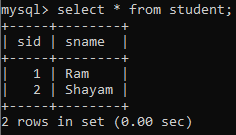
cascade

)

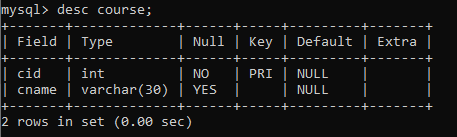


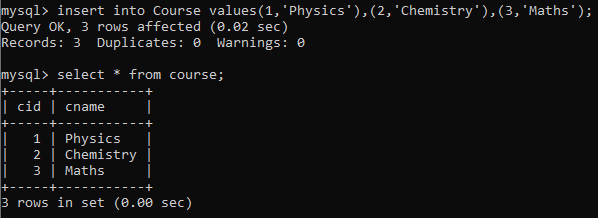
32. Create following tables Student, Course

Student (sid,sname) ---------------- sid ---primary key  




Course(cid,cname)-------------- cid ---primary key





Marks(studid,courseid,marks)

Sample data for marks table

studid,courseid,marks

1 1 99

1 3 98

2 1 95

2 2 97

create table marks(

studid number,

courseid number,

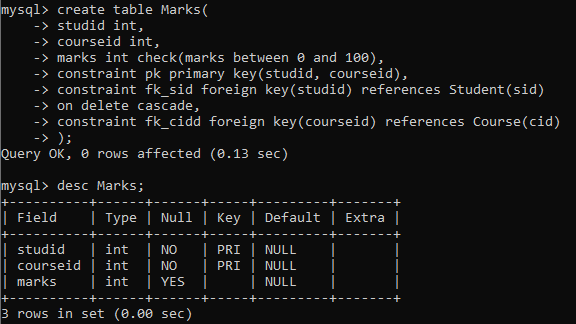
marks number,

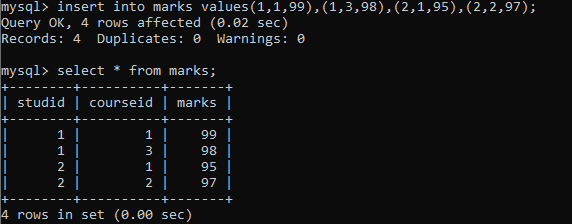
constraint pk primary key(studid,courseid),

constraint fk\_sid foreign key (studid) references student(sid) on delete cascade,

constraint fk\_cid foreign key (courseid) references course(cid)

)





33. Create empty table emp10 with table structure same as emp table.

create table emp10 as

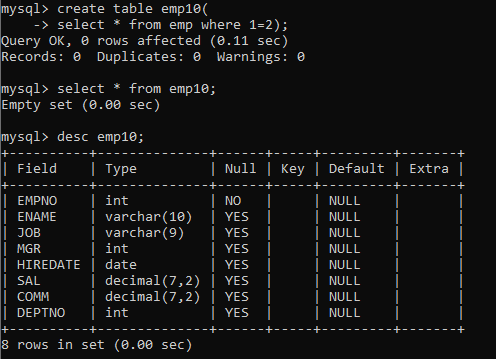
(

select \*

from emp

where 1=2;

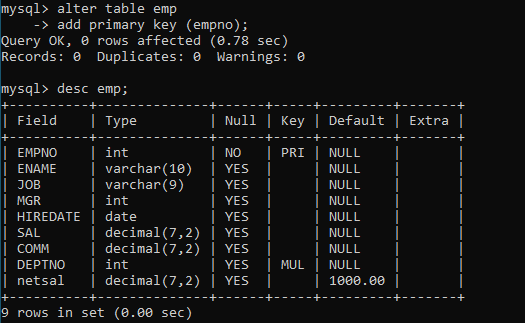
)



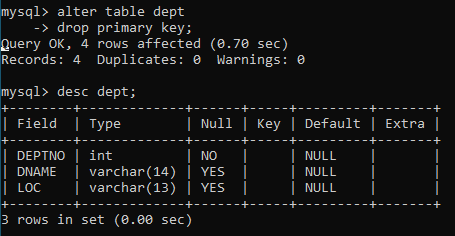
34. Solve following using alter table

add primary key constraint on emp,dept,salgrade

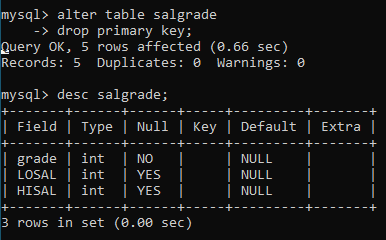
emp ----→ empno



dept---→ deptno

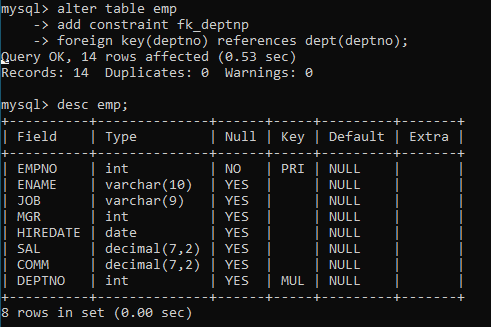


salgrade---→ grade



add foreign key constraint in emp

deptno --->> dept(deptno)



add new column in emp table netsal with constraint default 1000

