create database university;

create table university.students(

Std\_ID int not null unique auto\_increment,

FirstName varchar(20) not null,

LastName varchar(20) not null,

DOB date not null,

C\_ID int not null,

Address varchar(250) not null,

Email varchar(100)not null,

PhoneNumber varchar(11) not null unique,

primary key(Std\_ID),

foreign key (C\_ID) references courses(C\_ID)

);

create table university.courses(

C\_ID int not null unique auto\_increment,

CourseName varchar(50) not null,

Duration varchar(10) not null,

CreditHours varchar(10) not null,

Dep\_ID int not null,

primary key(C\_ID),

foreign key (Dep\_ID) references departments(Dep\_ID)

);

create table university.faculty(

F\_ID int not null unique auto\_increment,

FirstName varchar(20) not null,

LastName varchar(20) not null,

DOB date not null,

Address varchar(250) not null,

Email varchar(100)not null,

PhoneNumber varchar(11) not null unique,

Education\_level varchar(30) not null,

Degree varchar(250) not null,

C\_ID int not null,

Sal\_ID int not null,

primary key(F\_ID),

foreign key (C\_ID) references courses(C\_ID),

foreign key (Sal\_ID) references salary(Sal\_ID)

);

create table university.departments(

Dep\_ID int not null unique auto\_increment,

Department\_Name varchar(250) not null,

Location varchar(200) not null,

primary key(Dep\_ID)

);

create table university.salary(

Sal\_ID int not null unique auto\_increment,

Total\_Salary decimal(10,2),

primary key(Sal\_ID)

);

insert into university.departments(Department\_Name,Location)

values("Physics Department","Allama Iqbal Block"),

("CS Department","Quaid-e-Azam Block"),

("Chemistry Department","Allama Iqbal Block"),

("Social Science Department","R3 Block"),

("BBA ","Block A");

select \* from university.departments;

update departments

set Location = "Allama Iqbal Block(OLD)"

where Dep\_ID=3;

insert into university.courses(CourseName,Duration,CreditHours,Dep\_ID)

values("DLD","4 months",3,1),

("DLD Lab","4 months",1,1),

("Applied Physics","4 months",3,1),

("Applied Physics Lab","4 months",0,1),

("OOP","4 months",3,2),

("OOP Lab","4 months",2,2),

("COAL","4 months",3,2),

("COAL Lab","4 months",1,2),

("Calculus","4 months",3,2),

("DSA","4 months",3,2),

("DSA Lab","4 months",3,2),

("AI thoery","4 months",3,2),

("Organic Chemistry","4 months",2,3),

("In-Organic Chemistry","4 months",2,3),

("Chemistry Lab","4 months",3,3),

("Social Work","4 months",2,4),

("Sociology","4 months",2,4),

("Applied Psychology","4 months",3,4),

("Accounting","4 months",3,5),

("English Communication","4 months",3,5);

select \* from courses;

insert into university.students(FirstName,LastName,DOB,C\_ID,Address,Email,PhoneNumber)

values("Rimsha","Money","2006-01-05",4,"Chuburji Lahore","chewchew@gmail.com",03332298570),

("Sakeena","Bano","2004-12-23",4,"DHA BorgerColony Lahore","hahaskbano@gmail.com",03352298510),

("Ambani","Rathor","2003-09-05",10,"Delhi","falalala@gmail.com",03352998570),

("Zabs","MR","2004-07-019",6,"DHA phase 1 Islamabada","yomamajokes@gmail.com",03302053888);

update students

set PhoneNumber = "03332298570"

where Std\_ID=1;

update students

set PhoneNumber = "03352298510"

where Std\_ID=2;

update students

set PhoneNumber = "03352998570"

where Std\_ID=3;

update students

set PhoneNumber = "03302053888"

where Std\_ID=4;

update students

set DOB = "2004-07-09"

where Std\_ID=4;

select \* from students;

insert into university.faculty(FirstName,LastName,DOB,Address,Email,PhoneNumber,Education\_level,Degree,C\_ID,Sal\_ID)

values("Tehreem","Saboor","1990-04-06","Changa Gali Lalazar","tsm@gmail.com","0334699111","Masters","SE",6,1),

("Hafeez","Jalandari","1982-09-15","Muslim Town Pindi","chaudryhafeez@gmail.com","0334689121","Masters","Pure Mathematics",9,2),

("Saira","Shaheen","1978-08-25","DHA Phase 2","ssshaeen@gmail.com","03334678920","Masters","CS",10,3),

("Atif","Aslam","1982-05-06","F11 Islamabad Street 54","beta@gmail.com","03327849012","Masters","Networking",4,4),

("Super","Star","1979-10-10","","muslimfeminist@gmail.com","0332689121","Masters","Sociology",17,4);

update faculty

set PhoneNumber = "03346991112"

where F\_ID=6;

update faculty

set PhoneNumber = "03346891211"

where F\_ID=7;

update faculty

set PhoneNumber = "03326891214"

where F\_ID=10;

select \* from faculty;

insert into university.salary(Total\_Salary)

values("85000"),

("90000"),

("100000"),

("105000");

select \* from salary;

select CourseName,Dep\_ID,CreditHours,FirstName,LastName,Degree,Total\_Salary

from courses cos inner join faculty fac

on cos.C\_ID=fac.C\_ID

inner join salary sal on sal.Sal\_ID=fac.Sal\_ID

limit 3,2

;