

Q:2

Create database university data;

Create table student (

Name varchar(20) not null,

Phone no integer not null,

Student ID varchar(10) not NULL,

Age integer not null,

Date of birth Date,

Gender char(2) ~~not null~~ enum('m', 'f'),

House integer not null,

City varchar(10) not null,

Town varchar(12) not null,

Street no integer,

Primary key (Student ID)

);

Create table department (

Name varchar(20) not null,

Student ID varchar(10) not null,

Faculty ID varchar(10) not null,

Department ID varchar(12) not null,

Primary key (Department ID),

Foreign key (Student ID) references student (Student ID),

Foreign key (Faculty ID) references faculty (Faculty ID)

);



Create table Research project (  
project ID varchar(10) not null,  
Name varchar(20) not null,  
Faculty ID varchar(10) not null,  
New attribute varchar(15) not null,  
Area varchar(20) not null,  
duration integer,  
Primary key (Project ID),  
Foreign key (Faculty ID) references  
from Faculty (Faculty ID)  
);

Create table course (  
Course ID varchar(15) not null,  
Name varchar(10) not null,  
code integer not null,  
Department ID varchar(12) not null,  
Student ID varchar(10) not null,  
Faculty ID varchar(10) not null,  
Primary key (Course ID),  
Foreign key (Department ID) references  
from department (Department ID),  
Foreign key (Student ID) references  
from Student (Student ID),  
Foreign key (Faculty ID) references  
from Faculty (Faculty ID)  
);



```

Create table Faculty (
  Name          varchar(20) not null,
  Gender        char(2) enum('m','f'),
  FacultyID     varchar(10) not null,
  Salary        integer not null,
  DOB          Date,
  Age           integer not null,
  CourseID      varchar(15) not null,
  Grade         char(1) not null,
  Designation   varchar(15) not null,
  Primary key (FacultyID),
  foreign key (CourseID) references
    Course (CourseID)
)

```