

Questions

• Create a database with the name StudentManagementSystem.

Create a table with named Student with attributes:

- StudentID (Primary Key)
- FirstName
- LastName
- DateOfBirth
- Gender
- Email
- Phone

Create a table with name Course with attributes:

- CourseID (Primary Key)
- CourseTitle
- Credits

Create a table with named Instructor with attributes:

- InstructorID (Primary Key)
- FirstName
- LastName
- Email

Create a table with named Enrollment with attributes:

- EnrollmentID (Primary Key)
- EnrollmentDate
- StudentID(Foreign key)

- CourseID(Foreign Key)
- InstructorID(Foreign key)

Create a table with named Score with attributes:

- ScoreID (Primary Key)
- CourseID (Foreign key)
- StudentID (Foreign Key)
- DateOfExam
- CreditObtained

Create a table with named Feedback with attributes:

- FeedbackID (Primary Key)
- StudentID (Foreign key)
- Date
- InstructorName
- Feedbac
- Create a database with the name StudentManagementSystem.

Code:

mysql> CREATE DATABASE StudentManagementSystem; Query OK, 1 row affected (0.08 sec) Create a table with named Student with attributes:

- StudentID (Primary Key)
- FirstName
- LastName
- DateOfBirth
- Gender
- Email
- Phone

Code:

```
mysql> create table Student
   -> (
   -> studentId int not null primary key,
   -> firstName varchar(30) not null,
   -> lastName varchar(30) not null,
   -> dateOfBirth date not null,
   -> gender char(1) not null,
   -> email varchar(50) not null unique,
   -> phone int unique check(phone=10)
   -> );
Query OK, 0 rows affected (0.09 sec)
```

Output:

```
mysql> describe Student;
 Field
                              Null | Key |
                                             Default | Extra
                Type
                               NO
                                       PRI
  studentId
                int
                                             NULL
                varchar(30)
  firstName
                               NO
                                             NULL
                varchar(30)
  lastName
                               NO
                                             NULL
  dateOfBirth
                date
                               NO
                                             NULL
  gender
                char(1)
                               NO
                                             NULL
                varchar(50)
                               NO
                                       UNI
                                             NULL
  email
  phone
                               YES
                                       UNI
                                             NULL
 rows in set (0.04 sec)
```

Create a table with name Course with attributes:

- CourseID (Primary Key)
- CourseTitle
- Credits

Code:

```
mysql> create table Course
   -> (
   -> CourseId int primary key,
   -> courseTitle varchar(20) not null,
   -> credits int not null
   -> );
Query OK, 0 rows affected (0.04 sec)
```

Output:

Create a table with named Instructor with attributes:

- InstructorID (Primary Key)
- FirstName
- LastName
- Email

```
mysql> create table Instructor
   -> (
   -> instructorId int Primary key,
   -> firstName varchar(30) not null,
   -> lastName varchar(20) not null,
   -> Email varchar(50) not null unique
   -> );
Query OK, 0 rows affected (0.08 sec)
```

Output:

mysql> describe Instructor;					
Field	Туре	Null	Key	Default	Extra
instructorId firstName lastName Email		NO NO NO NO	PRI UNI	NULL NULL NULL NULL	
4 rows in set (0.00 sec)					

Create a table with named Enrollment with attributes:

- EnrollmentID (Primary Key)
- EnrollmentDate
- StudentID(Foreign key)
- CourseID(Foreign Key)
- InstructorID(Foreign key)

```
mysql> CREATE TABLE Enrollment (
    -> EnrollmentID INT PRIMARY KEY,
    -> EnrollmentDate DATE,
    -> StudentID INT,
    -> CourseID INT,
    -> InstructorID INT,
    -> FOREIGN KEY (StudentID) REFERENCES Student(StudentID),
    -> FOREIGN KEY (CourseID) REFERENCES Course(CourseID),
    -> FOREIGN KEY (InstructorID) REFERENCES Instructor(InstructorID)
    -> );
Query OK, 0 rows affected (0.11 sec)
```

Output:

```
mysql> describe Enrollment;
 Field
                    Type |
                          Null | Key |
                                         Default |
                                                    Extra
 EnrollmentID
                    int
                                   PRI
                                         NULL
                           NO
 EnrollmentDate
                           YES
                    date
                                          NULL
                            YES
  StudentID
                    int
                                   MUL
                                          NULL
 CourseID
                    int
                           YES
                                   MUL
                                          NULL
  InstructorID
                           YES
                                   MUL
                    int
                                         NULL
5 rows in set (0.01 sec)
```

Create a table with named Score with attributes:

- ScoreID (Primary Key)
- CourseID (Foreign key)
- StudentID (Foreign Key)
- DateOfExam
- CreditObtained

```
mysql> CREATE TABLE Score (
    -> ScoreID INT PRIMARY KEY,
    -> CourseID INT,
    -> StudentID INT,
    -> DateOfExam DATE,
    -> CreditObtained int not null,
    -> FOREIGN KEY (CourseID) REFERENCES Course(CourseID),
    -> FOREIGN KEY (StudentID) REFERENCES Student(StudentID)
    -> );
Query OK, 0 rows affected (0.10 sec)
```

Output:

```
mysql> describe Score;
                   Type | Null | Key | Default | Extra
 Field
  ScoreID
                                        NULL
                   int
                           NO
                                  PRI
 CourseID
                   int
                           YES
                                  MUL
                                        NULL
  StudentID
                   int
                           YES
                                  MUL
                                         NULL
 DateOfExam
                   date
                           YES
                                        NULL
  CreditObtained
                           NO
                                        NULL
 rows in set (0.00 sec)
```

Create a table with named Feedback with attributes:

- FeedbackID (Primary Key)
- StudentID (Foreign key)
- Date
- InstructorName
- Feedback

```
mysql> CREATE TABLE Feedback (
    -> FeedbackID INT PRIMARY KEY,
    -> StudentID INT,
    -> Date DATE,
    -> InstructorName VARCHAR(100) not null,
    -> Feedback varchar(100),
    -> FOREIGN KEY (StudentID) REFERENCES Student(StudentID)
    -> );
Query OK, 0 rows affected (0.09 sec)
```

Output:

```
mysql> describe Feedback;
                                  Null | Key | Default | Extra
| Field
                  Туре
 FeedbackID
                   int
                                  NO
                                         PRI
                                               NULL
 StudentID
                                         MUL
                  int
                                  YES
                                               NULL
 Date
                  date
                                  YES
                                               NULL
 InstructorName
                  varchar(100)
                                  NO
                                               NULL
 Feedback
                 varchar(100)
                                  YES
                                               NULL
5 rows in set (0.00 sec)
```