Week 9 Session1- Lab

Question:-

Create a Database & Table Using MySQL Command-Line Client.
● 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
- Feedback

Answers:-

create database studentmanagementsystem;

use studentmanagementsystem;

```
CREATE TABLE Student (
StudentID VARCHAR(10) PRIMARY KEY,
FirstName VARCHAR(25),
LastName VARCHAR(25),
DateOfBirth DateTime,
Gender VARCHAR(25),
Email VARCHAR(30) UNIQUE,
Phone VARCHAR(25)
);

CREATE TABLE Course (
CourseID VARCHAR(10) PRIMARY KEY,
CourseTitle VARCHAR(30),
Credits INT
);

CREATE TABLE Instructor (
InstructorID VARCHAR(10) PRIMARY KEY,
Email VARCHAR(30) UNIQUE,
FirstName VARCHAR(30),
LastName VARCHAR(30)
);

CREATE TABLE Enrollment (
EnrollmentID VARCHAR(10) PRIMARY KEY,
EnrollmentDate DATE,
StudentID VARCHAR(10),
CourseID VARCHAR(10),
InstructorID VARCHAR(10),
```

```
FOREIGN KEY (StudentID) REFERENCES Student(StudentID),
FOREIGN KEY (CourseID) REFERENCES Course(CourseID),
FOREIGN KEY (InstructorID) REFERENCES
Instructor(InstructorID)
);

CREATE TABLE Score(
ScoreID VARCHAR(10) PRIMARY KEY,
StudentID VARCHAR(10),
CourseID VARCHAR(10),
FOREIGN KEY (StudentID) REFERENCES Student(StudentID),
FOREIGN KEY (CourseID) REFERENCES Course(CourseID),
CreditObtained VARCHAR(10),
DateOfExam DateTime
);

CREATE TABLE Feedback(
FeedbackID INT Auto_Increment PRIMARY KEY,
StudentID VARCHAR(10),
Date DATE,
InstructorName VARCHAR(30),
Feedback VARCHAR(100),
FOREIGN KEY (StudentID) REFERENCES Student(StudentID)
);
```

select * from Student;

StudentID	FirstName	LastName	DateOfBirth	Gender	Email	Phone
NULL	NULL	NULL	NULL	NULL	NULL	NULL

select * from Course;

CourseID	CourseTitle	Credits
NULL	NULL	NULL

select * from Instructor;

	InstructorID	Email	FirstName	LastName
*	NULL	NULL	NULL	NULL

select * from Enrollment;

	EnrollmentID	EnrollmentDate	StudentID	CourseID	InstructorID
*	NULL	NULL	NULL	NULL	NULL

select * from Score;

	ScoreID	StudentID	CourseID	CreditObtained	DateOfExam
*	NULL	NULL	NULL	NULL	NULL

select * from Feedback;

	FeedbackID	StudentID	Date	InstructorName	Feedback
*	NULL	NULL	NULL	NULL	NULL