Subject: Introduction of Database, Creating Database and Tables.

LAB1:
Lab_SQL1_ANP_C7970_Create_database_table

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Lab 1. 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**

QUERY:

```
mysql> CREATE DATABASE StudentMangementSystem;
Query OK, 1 row affected (0.01 sec)

mysql> USE StudentManagementSystem;
Database changed
mysql> CREATE TABLE Student (
    -> StudentID INT NOT NULL AUTO_INCREMENT,
    -> FirstName VARCHAR(20),
    -> LastName VARCHAR(20),
    -> DateOfBirth DATE,
    -> GEnder ENUM('Male','Female','Others'),
    -> Email VARCHAR(50),
    -> Phone VArCHAR(15),
    -> PRIMARY KEY (StudentID)
    -> );
Query OK, 0 rows affected (0.06 sec)

mysql>
```

OUTPUT:

```
Database changed
mysql> DESCRIBE Student;
+-------------+-----------------------------+------+-----+---------+----------------+
| Field       | Type                        | Null | Key | Default | Extra          |
+-------------+-----------------------------+------+-----+---------+----------------+
| StudentID   | int                         | NO   | PRI | NULL    | auto_increment |
| FirstName   | varchar(20)                 | YES  |     | NULL    |                |
| LastName    | varchar(20)                 | YES  |     | NULL    |                |
| DateOfBirth | date                        | YES  |     | NULL    |                |
| GEnder      | enum('Male','Female','Others') | YES  |  | NULL    |                |
| Email       | varchar(50)                 | YES  |     | NULL    |                |
| Phone       | varchar(15)                 | YES  |     | NULL    |                |
+-------------+-----------------------------+------+-----+---------+----------------+
7 rows in set (0.01 sec)

mysql>
```

2.Create a table with name Course with attributes:

● CourseID (Primary Key)

● CourseTitle

● Credits

QUERY:

```
mysql> USE StudentManagementSystem;
Database changed
mysql> CREATE TABLE Course(
    -> CourseID INT NOT NULL AUTO_INCREMENT,
    -> CourseTitle VARCHAR(100),
    -> Credite INT,
    -> PRIMARY KEY (CourseID)
    -> );
Query OK, 0 rows affected (0.04 sec)
```

OUTPUT:

```
mysql> DESCRIBE Course;
+-------------+--------------+------+-----+---------+----------------+
| Field       | Type         | Null | Key | Default | Extra          |
+-------------+--------------+------+-----+---------+----------------+
| CourseID    | int          | NO   | PRI | NULL    | auto_increment |
| CourseTitle | varchar(100) | YES  |     | NULL    |                |
| Credite     | int          | YES  |     | NULL    |                |
+-------------+--------------+------+-----+---------+----------------+
3 rows in set (0.00 sec)

mysql>
```

3.Create a table with named Instructor with attributes:

● InstructorID (Primary Key)

● FirstName

● LastName

● Email

```
t syntax to use near 'FirstName VARCHAR(20)' at line 5
mysql> CREATE TABLE Instructor (
    -> InstructorID INT NOT NULL AUTO_INCREMENT,
    -> FirstName VARCHAR(20),
    -> LastName VARCHAR(20),
    -> Email VARCHAR(50),
    -> PRIMARY KEY (InstructorID)
    -> );
Query OK, 0 rows affected (0.05 sec)
```

OUTPUT:

```
mysql> DESCRIBE Instructor;
+--------------+-------------+------+-----+---------+----------------+
| Field        | Type        | Null | Key | Default | Extra          |
+--------------+-------------+------+-----+---------+----------------+
| InstructorID | int         | NO   | PRI | NULL    | auto_increment |
| FirstName    | varchar(20) | YES  |     | NULL    |                |
| LastName     | varchar(20) | YES  |     | NULL    |                |
| Email        | varchar(50) | YES  |     | NULL    |                |
+--------------+-------------+------+-----+---------+----------------+
4 rows in set (0.01 sec)

mysql>
```