ACTIVITY 2

1. Create Database named StudentManagement

```
MariaDB [(none)]> CREATE DATABASE StudentManagement;
Query OK, 1 row affected (0.002 sec)
```

2. Use StudentManagement

```
MariaDB [(none)]> USE StudentManagement;
Database changed
```

3. Create Table named Students

```
MariaDB [StudentManagement]> CREATE TABLE Students (
           StudentID INT PRIMARY KEY, FirstName VARCHAR(50),
           LastName VARCHAR(50),
          Gender VARCHAR(10),
           DateOfBirth DATE,
           Email VARCHAR(100),
          PhoneNumber VARCHAR(15),
           EnrollmentDate DATE,
Program VARCHAR(100),
           GPA DECIMAL(3, 2)
Query OK, 0 rows affected (0.013 sec)
MariaDB [StudentManagement]> DESCRIBE Students;
 Field
                                  | Null | Key | Default | Extra |
                  Type
 StudentID
                   int(11)
                                    NO
                                                  NULL
                  varchar(50)
 FirstName
                                                  NULL
 LastName
                                                  NULL
 Gender
                   varchar(10)
                                                  NULL
 DateOfBirth
                   date
                                                  NULL
                   varchar(100)
  Email
                                                  NULL
  PhoneNumber
                   varchar(15)
                                                  NULL
  EnrollmentDate
                   date
                                                  NULL
                   varchar(100)
  Program
                                                  NULL
  GPA
                   decimal(3,2)
                                                  NULL
l0 rows in set (0.025 sec)
```

4. Alter Students Table to Add Address

```
MariaDB [StudentManagement]> ALTER TABLE
          Students
    -> ADD
          Address VARCHAR(255);
Query OK, 0 rows affected (0.016 sec)
Records: 0 Duplicates: 0 Warnings: 0
MariaDB [StudentManagement]> DESCRIBE Students;
                 | Type
 Field
                                  Null | Key | Default | Extra
 StudentID
                  int(11)
                                  NO
                                         PRI
                                               NULL
                  varchar(50)
 FirstName
                                               NULL
                  varchar(50)
                                  YES
 LastName
                                               NULL
                  varchar(10)
 Gender
                                               NULL
 DateOfBirth
                  date
                                  YES
                                               NULL
 Email
                  varchar(100)
                                               NULL
 PhoneNumber
                  varchar(15)
                                  YES
                                               NULL
 EnrollmentDate
                  date
                                               NULL
 Program
                   varchar(100)
                                               NULL
                  decimal(3,2)
                                               NULL
 Address
                  varchar(255)
                                               NULL
11 rows in set (0.028 sec)
```

5. Alter Students Table to Modify Phone Number

```
MariaDB [StudentManagement]> ALTER TABLE
          Students
    -> MODIFY
          PhoneNumber VARCHAR(20);
Query OK, 0 rows affected (0.006 sec)
Records: 0 Duplicates: 0 Warnings: 0
MariaDB [StudentManagement]> DESCRIBE Students;
 Field
                                 Null | Key | Default | Extra |
                 Type
 StudentID
                   int(11)
                                  NO
                                         PRI
                                               NULL
 FirstName
                  varchar(50)
                                               NULL
 LastName
                  varchar(50)
                                               NULL
                  varchar(10)
 Gender
                                  YES
                                               NULL
 DateOfBirth
                                  YES
                  date
                                               NULL
 Email
                   varchar(100)
                                  YES
                                               NULL
 PhoneNumber
                   varchar(20)
                                  YES
                                               NULL
 EnrollmentDate
                   date
                                  YES
                                               NULL
                   varchar(100)
 Program
                                  YES
                                               NULL
 GPA
                   decimal(3,2)
                                  YES
                                               NULL
 Address
                  varchar(255)
                                  YES
                                               NULL
11 rows in set (0.023 sec)
```

6. Insert one Data in the Students Table

```
Maria08 [StudentNanagement]> INSERT INTO

-> StudentS
-> SubtentIO,
-> ListName,
-> ListName,
-> LastName,
-> DateOfSinth,
-> Email,
-> PhoneNumber,
-> EnollementDate,
-> Program,
-> GPA
-> VALUES
-> (
-> 'John',
-> 'John',
-> 'John',
-> 'Smith',
-> 'Male',
-> 'Smith',
-> 'Male',
-> 'Smithegemail.com',
-> '90929929996',
-> '2042-88-85',
-> '2042-88-85',
-> '2042-88-85',
-> StudentS;

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address

StudentIO FirstName LastName Gender DateOfSinth Email PhoneNumber EnrollmentDate Program GPA Address
```

7. Insert five Data in the Students Table

```
MariaD8 [StudentManagement]> INSERT INTO

-> Students (
-> FirstName,
-> LastName,
-> Gender,
-> DateOfBirth,
-> Email,
-> Program,
-> Program,
-> GPA
-> Program,
-> GPA
-> | Mario Jr',
-> 'Inguito',
-> 'Mai's Jease of Series of Series
```

```
-> (*1004',
-> '70bm',
-> '70bm',
-> '8ale',
-> '8ale',
-> '3.doe.4844709umindanao.edu.ph',
-> '90291532986',
-> '2024-08-05',
-> '2024-08-05',
-> '1005',
-> '1005',
-> '1005',
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```

tudentID	FirstName	LastName	Gender	DateOfBirth	Email	PhoneNumber	EnrollmentDate			Address
1001	John	Smith	Male	2002-05-14	jsmith@gmail.com	09292932986	2024-08-05	Computer Science	3.50	
1002	Mario Jr	Inguito	Male	2000-01-02	m.inguito.1002@umindanao.edu.ph	09956130242	2024-08-05	Computer Science	3.50	NULL
1003	Bailey	Mae	Female	2001-10-15	b.mae.1003@umindanao.edu.ph	09292931564	2024-08-05	Information Technology	2.50	NULL
1004	John	Doe	Male	2002-08-19	j.doe.484470@umindanao.edu.ph	09291532986	2024-08-05	Computer Science	3.00	NULL
1005	Lashanda	Kate	Female	2003-09-18	1.kate.1005@umindanao.edu.ph	09292931475	2024-08-05	Multimedia Arts	3.50	NULL
1006	Steven	Johnson	Male	2004-03-24	s.johnson.1006@umindanao.edu.ph	09292931579	2024-08-05	Informations Systems	3.50	NULL

```
MariaDB [StudentManagement]> ALTER TABLE
-> Students DROP COLUMN Email;
Query OK, 0 rows affected (0.016 sec)
Records: 0 Duplicates: 0 Warnings: 0
  NariaDB [StudentManagement]> DESCRIBE STUDENTS;
                                     pe | Null | Key | Default | Extra |
                             | Type
 Field
                                int(11)
varchar(50)
varchar(50)
varchar(10)
date
varchar(20)
date
varchar(100)
    StudentID
                                                            NO
                                                                        PRI
                                                                                   NULL
   FirstName
LastName
                                                                                   NULL
  Gender
DateOfBirth
                                                                                   NULL
   PhoneNumber
EnrollmentDate
                                                                                   NULL
                                 date
varchar(100)
decimal(3,2)
varchar(255)
                                                                                   NULL
NULL
NULL
   Program
GPA
   Address
10 rows in set (0.028 sec)
 MariaDB [StudentManagement]> SELECT * FROM Students;
   StudentID | FirstName | LastName | Gender | DateOfBirth | PhoneNumber | EnrollmentDate | Program
                                                                                                                                                                                                           | GPA | Address |
                                                                                  2002-05-14
                                                                                                                                    2024-08-05
                                                                                                                                                                  Computer Science
                        Mario Jr
Bailey
                                            Inguito
Mae
Doe
Kate
Johnson
                                                                                 2002-05-14
2000-01-02
2001-10-15
2002-08-19
2003-09-18
2004-03-24
                                                                                                         09292932986
09956130242
09292931564
09291532986
09292931475
09292931579
                                                                                                                                                                                                             3.50 |
2.50 |
3.60 |
3.50 |
                                                                                                                                                                                                                          NULL
NULL
NULL
NULL
NULL
                                                                                                                                   2024-08-05
2024-08-05
2024-08-05
            1002
1003
                                                                 Male
Female
                                                                                                                                                                  Computer Science
Information Technology
                        John
Lashanda
Steven
                                                                 Male
Female
Male
                                                                                                                                                                 Computer Science
Multimedia Arts
Informations Systems
             1004
                                                                                                                                  2024-08-05
2024-08-05
             1006
   rows in set (0.001 sec)
```

8. Drop Students Table

MariaDB [StudentManagement]> DROP TABLE Students; Query OK, 0 rows affected (0.016 sec)

9. Drop StudentManage

MariaDB [StudentManagement]> DROP DATABASE StudentManagement; Query OK, 0 rows affected (0.002 sec)