

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	Type	Null	Key	Default	Extra
StudentID	int(11)	NO	PRI	NULL	
FirstName	varchar(50)	YES		NULL	
LastName	varchar(50)	YES		NULL	
Gender	varchar(10)	YES		NULL	
DateOfBirth	date	YES		NULL	
Email	varchar(100)	YES		NULL	
PhoneNumber	varchar(15)	YES		NULL	
EnrollmentDate	date	YES		NULL	
Program	varchar(100)	YES		NULL	
GPA	decimal(3,2)	YES		NULL	

```
10 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;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| StudentID | int(11) | NO | PRI | NULL | |
| FirstName | varchar(50) | YES | | NULL | |
| LastName | varchar(50) | YES | | NULL | |
| Gender | varchar(10) | YES | | NULL | |
| DateOfBirth | date | YES | | NULL | |
| Email | varchar(100) | YES | | NULL | |
| PhoneNumber | varchar(15) | YES | | NULL | |
| EnrollmentDate | date | YES | | NULL | |
| Program | varchar(100) | YES | | NULL | |
| GPA | decimal(3,2) | YES | | NULL | |
| Address | varchar(255) | YES | | 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 | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| StudentID | int(11) | NO | PRI | NULL | |
| FirstName | varchar(50) | YES | | NULL | |
| LastName | varchar(50) | YES | | NULL | |
| Gender | varchar(10) | YES | | NULL | |
| DateOfBirth | date | YES | | NULL | |
| Email | varchar(100) | YES | | NULL | |
| PhoneNumber | varchar(20) | YES | | NULL | |
| EnrollmentDate | date | YES | | NULL | |
| Program | varchar(100) | 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

```
MariaDB [StudentManagement]> INSERT INTO
-> Students (
-> StudentID,
-> FirstName,
-> LastName,
-> Gender,
-> DateOfBirth,
-> Email,
-> PhoneNumber,
-> EnrollmentDate,
-> Program,
-> GPA
-> )
-> VALUES
-> (
-> '1001',
-> 'John',
-> 'Smith',
-> 'Male',
-> '2002-05-14',
-> 'jsmith@gmail.com',
-> '09292932986',
-> '2024-08-05',
-> 'Computer Science',
-> 3.5
-> );
Query OK, 1 row affected (0.011 sec)

MariaDB [StudentManagement]> SELECT
-> *
-> FROM
-> Students;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| StudentID | FirstName | LastName | Gender | DateOfBirth | Email | PhoneNumber | EnrollmentDate | Program | GPA | Address |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1001 | John | Smith | Male | 2002-05-14 | jsmith@gmail.com | 09292932986 | 2024-08-05 | Computer Science | 3.50 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

7. Insert five Data in the Students Table

```
MariaDB [StudentManagement]> INSERT INTO
-> Students (
-> StudentID,
-> FirstName,
-> LastName,
-> Gender,
-> DateOfBirth,
-> Email,
-> PhoneNumber,
-> EnrollmentDate,
-> Program,
-> GPA
-> )
-> VALUES
-> (
-> '1002',
-> 'Mario Jr',
-> 'Inguito',
-> 'Male',
-> '2000-01-02',
-> 'm.inguito.1002@umindanao.edu.ph',
-> '09956130242',
-> '2024-08-05',
-> 'Computer Science',
-> 3.5
-> ),
-> (
-> '1003',
-> 'Bailey',
-> 'Mae',
-> 'Female',
-> '2001-10-15',
-> 'b.mae.1003@umindanao.edu.ph',
-> '09292931564',
-> '2024-08-05',
-> 'Information Technology',
-> 2.5
-> ),
-> );
```

```

-> (
->   '1004',
->   'John',
->   'Doe',
->   'Male',
->   '2002-08-19',
->   'j.doe.484470@umindanao.edu.ph',
->   '09291532986',
->   '2024-08-05',
->   'Computer Science',
->   3.0
-> ),
-> (
->   '1005',
->   'Lashanda',
->   'Kate',
->   'Female',
->   '2003-09-18',
->   'l.kate.1005@umindanao.edu.ph',
->   '09292931475',
->   '2024-08-05',
->   'Multimedia Arts',
->   3.5
-> ),
-> (
->   '1006',
->   'Steven',
->   'Johnson',
->   'Male',
->   '2004-03-24',
->   's.johnson.1006@umindanao.edu.ph',
->   '09292931579',
->   '2024-08-05',
->   'Informations Systems',
->   3.5
-> );
Query OK, 5 rows affected (0.012 sec)
Records: 5 Duplicates: 0 Warnings: 0

```

MariaDB [StudentManagement]> SELECT * FROM Students;

StudentID	FirstName	LastName	Gender	DateOfBirth	Email	PhoneNumber	EnrollmentDate	Program	GPA	Address
1001	John	Smith	Male	2002-05-14	j.smith@gmail.com	09292932986	2024-08-05	Computer Science	3.50	NULL
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	l.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

6 rows in set (0.001 sec)

MariaDB [StudentManagement]> ALTER TABLE

-> Students DROP COLUMN Email;

Query OK, 0 rows affected (0.016 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [StudentManagement]> DESCRIBE STUDENTS;

Field	Type	Null	Key	Default	Extra
StudentID	int(11)	NO	PRI	NULL	
FirstName	varchar(50)	YES		NULL	
LastName	varchar(50)	YES		NULL	
Gender	varchar(10)	YES		NULL	
DateOfBirth	date	YES		NULL	
PhoneNumber	varchar(20)	YES		NULL	
EnrollmentDate	date	YES		NULL	
Program	varchar(100)	YES		NULL	
GPA	decimal(3,2)	YES		NULL	
Address	varchar(255)	YES		NULL	

10 rows in set (0.028 sec)

MariaDB [StudentManagement]> SELECT * FROM Students;

StudentID	FirstName	LastName	Gender	DateOfBirth	PhoneNumber	EnrollmentDate	Program	GPA	Address
1001	John	Smith	Male	2002-05-14	09292932986	2024-08-05	Computer Science	3.50	NULL
1002	Mario Jr	Inguito	Male	2000-01-02	09956130242	2024-08-05	Computer Science	3.50	NULL
1003	Bailey	Mae	Female	2001-10-15	09292931564	2024-08-05	Information Technology	2.50	NULL
1004	John	Doe	Male	2002-08-19	09291532986	2024-08-05	Computer Science	3.00	NULL
1005	Lashanda	Kate	Female	2003-09-18	09292931475	2024-08-05	Multimedia Arts	3.50	NULL
1006	Steven	Johnson	Male	2004-03-24	09292931579	2024-08-05	Informations Systems	3.50	NULL

6 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)
```