EXPERIMENT 2

DDL Commands with Constraints – PRIMARY, FOREIGN KEY, UNIQUE, CHECK, DEFAULT, NOT NULL

```
mysql> CREATE TABLE Students (
               StudentID INT PRIMARY KEY,
                                                       -- Primary Key
               Name VARCHAR(50) NOT NULL,
     ->
               Age INT
Ouery OK, O rows affected (0.06 sec)
 mysql> CREATE TABLE Courses (
     -> CourseID INT PRIMARY KEY,
             CourseName VARCHAR(50) UNIQUE
     -> );
 Query OK, 0 rows affected (0.07 sec)
 mysql>
 mysql> CREATE TABLE Enrollments (
     -> EnrollID INT PRIMARY KEY,
        StudentID INT,
CourseID INT,
FOREIGN KEY (StudentID) REFERENCES Students(StudentID),
FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)
     ->
     ->
     -> );
Query OK, 0 rows affected (0.08 sec)
mysql> CREATE TABLE Teachers (
            TeacherID INT PRIMARY KEY,
            Email VARCHAR(100) UNIQUE -- No duplicate emails allowed
Query OK, 0 rows affected (0.07 sec)
mysql> CREATE TABLE Library (
           BookID INT PRIMARY KEY,
Title VARCHAR(100) NOT NULL,
Copies INT CHECK (Copies >= 1) -- Must have at least 1 copy
    ->
    ->
    -> );
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> CREATE TABLE Departments (
    -> DeptID INT PRIMARY KEY,
    -> DeptName VARCHAR(50) NOT NULL -- Cannot be empty
    -> );
Query OK, 0 rows affected (0.04 sec)

mysql> |
```