

# MySQL Practice Database - Table Structures

## Departments Table

```
CREATE TABLE Departments (  
  department_id INT PRIMARY KEY,  
  department_name VARCHAR(100) NOT NULL UNIQUE,  
  hod_name VARCHAR(100) NOT NULL  
);
```

## Students Table

```
CREATE TABLE Students (  
  student_id INT PRIMARY KEY,  
  name VARCHAR(100),  
  email VARCHAR(100),  
  dob DATE,  
  gender CHAR(1),  
  department_id INT,  
  FOREIGN KEY (department_id) REFERENCES Departments(department_id)  
);
```

## Courses Table

```
CREATE TABLE Courses (  
  course_id INT PRIMARY KEY,  
  course_name VARCHAR(100),  
  credits INT,  
  department_id INT,  
  FOREIGN KEY (department_id) REFERENCES Departments(department_id)  
);
```

## Faculty Table

```
CREATE TABLE Faculty (  
  faculty_id INT PRIMARY KEY,  
  name VARCHAR(100),  
  email VARCHAR(100),  
  department_id INT,  
  FOREIGN KEY (department_id) REFERENCES Departments(department_id)  
);
```

## Enrollments Table

```
CREATE TABLE Enrollments (  
  enrollment_id INT PRIMARY KEY,  
  student_id INT,  
  course_id INT,  
  enrollment_date DATE,  
  grade CHAR(1),  
  FOREIGN KEY (student_id) REFERENCES Students(student_id),  
  FOREIGN KEY (course_id) REFERENCES Courses(course_id)
```

```
);
```

## Teaches Table

```
CREATE TABLE Teaches (  
  faculty_id INT,  
  course_id INT,  
  PRIMARY KEY (faculty_id, course_id),  
  FOREIGN KEY (faculty_id) REFERENCES Faculty(faculty_id),  
  FOREIGN KEY (course_id) REFERENCES Courses(course_id)  
);
```