

ASSIGNMENT 1

```
CREATE DATABASE I7tutorial;
```

```
USE I7tutorial;
```

```
CREATE TABLE advisors (
```

```
  advisor_id INT PRIMARY KEY,
```

```
  name VARCHAR(100) NOT NULL,
```

```
  email VARCHAR(100) NOT NULL UNIQUE,
```

```
  specialization VARCHAR(100) NOT NULL
```

```
);
```

```
CREATE TABLE students (
```

```
  student_id INT PRIMARY KEY,
```

```
  name VARCHAR(100) NOT NULL,
```

```
  email VARCHAR(100) NOT NULL UNIQUE,
```

```
  dob DATE NOT NULL,
```

```
  advisor_id INT,
```

```
  FOREIGN KEY (advisor_id) REFERENCES advisors(advisor_id)
```

```
);
```

```
CREATE TABLE courses (
```

```
  course_code VARCHAR(20) PRIMARY KEY,
```

```
  title VARCHAR(100) NOT NULL,
```

```
  description TEXT,
```

```
  instructor VARCHAR(100) NOT NULL
```

```
);
```

```

CREATE TABLE enrollments (
student_id INT,
course_code VARCHAR(20),
enroll_date DATE,
status VARCHAR(20),
grade VARCHAR(10),
semester VARCHAR(10),
PRIMARY KEY (student_id, course_code),
FOREIGN KEY (student_id) REFERENCES students(student_id),
FOREIGN KEY (course_code) REFERENCES courses(course_code)
);

```

