

# Instructions to run the project

1. Install Flask:

```
pip install flask
```

2. Install Flask SQLAlchemy:

```
pip install Flask-SQLAlchemy
```

3. Run the application:

```
python main.py
```

or

```
python3 main.py
```

4. The application will start running on `http://127.0.0.1:8000/`
5. [OPTIONAL] You can seed the database with dummy data with `GET` mapping with API endpoint `/seed`

**Note:** *Initially the database contains dummy data, hence there is no need to seed the database again. The project can be directly tested.*

## Database Structure

Student	
studentId (primary key)	long
firstName	string (20)
lastName	string (20)
email (unique)	string (50)

Course	
courseId (primary key)	long
courseName	string (20)
credits	double

Enrollment		
studentId (foreign key)	} (primary key)	long
courseId (foreign key)		long
marks (nullable = true)		integer

## Dummy Data used for testing the API endpoints

### Dummy Student Table

studentID	firstName	lastName	email
1234	Arshia	Chaudhuri	<a href="mailto:chaudhuri.arshia@gmail.com">chaudhuri.arshia@gmail.com</a>
1235	Debmalya	Sur	<a href="mailto:sur.debmalya@gmail.com">sur.debmalya@gmail.com</a>
1236	Arjun	Rampal	<a href="mailto:rampal.arjun@gmail.com">rampal.arjun@gmail.com</a>
1237	Surya	Yadav	<a href="mailto:yadav.surya@gmail.com">yadav.surya@gmail.com</a>

### Dummy Course Table

courseID	courseName	credits
456	Operating System	9.5
457	Database Management	8.5

### Dummy Enrollment Table

studentID	courseID	marks
1234	456	95
1235	456	89
1235	457	91