

Student Course Management System

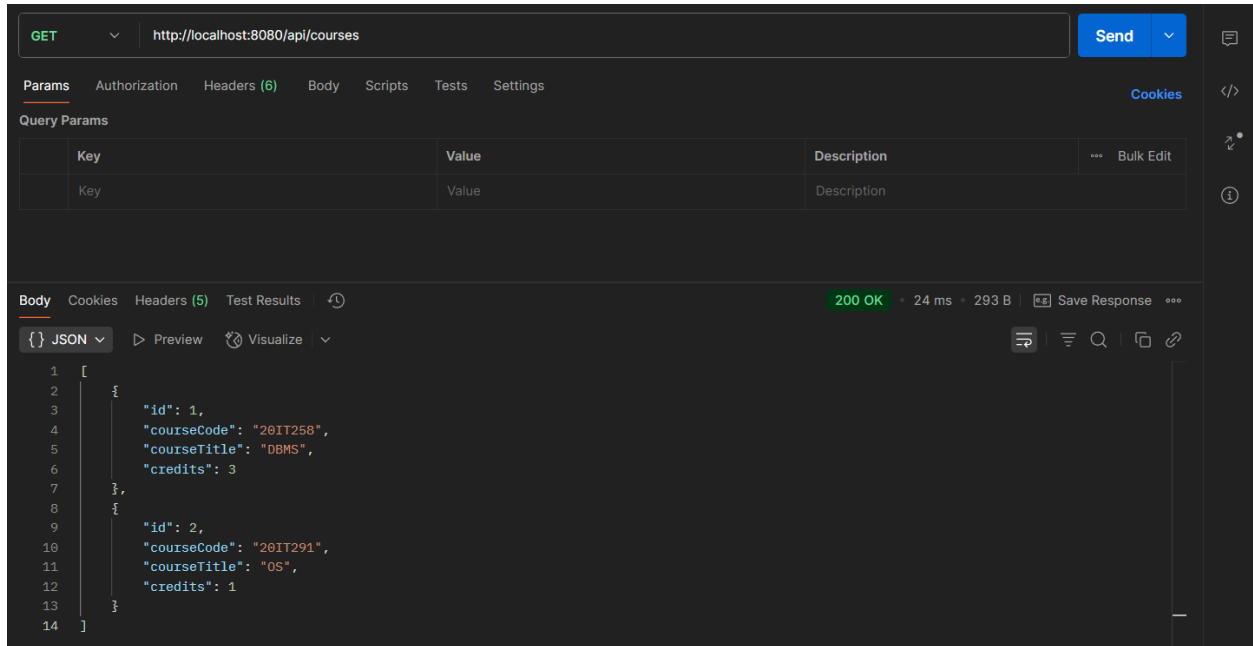
Testing All End Points Using PostMan

EndPoints:

| | | |
|-------------------------|--|---|
| student-controller ^ | | |
| GET | /api/students/{id} | ▼ |
| PUT | /api/students/{id} | ▼ |
| DELETE | /api/students/{id} | ▼ |
| GET | /api/students | ▼ |
| POST | /api/students | ▼ |
| GET | /api/students/rollNumber/{rollNumber} | ▼ |
| enrollment-controller ^ | | |
| PUT | /api/enrollments/{enrollmentId}/grade | ▼ |
| GET | /api/enrollments | ▼ |
| POST | /api/enrollments | ▼ |
| GET | /api/enrollments/student/{studentId} | ▼ |
| GET | /api/enrollments/course/{courseId} | ▼ |
| DELETE | /api/enrollments/student/{studentId}/course/{courseId} | ▼ |
| course-controller ^ | | |
| GET | /api/courses/{id} | ▼ |
| PUT | /api/courses/{id} | ▼ |
| DELETE | /api/courses/{id} | ▼ |
| GET | /api/courses | ▼ |
| POST | /api/courses | ▼ |
| GET | /api/courses/title/{courseTitle} | ▼ |
| GET | /api/courses/credits/{credits} | ▼ |
| GET | /api/courses/code/{courseCode} | ▼ |

CourseController

GET : <http://localhost:8080/api/courses>: (Get all the Courses)



GET <http://localhost:8080/api/courses> Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

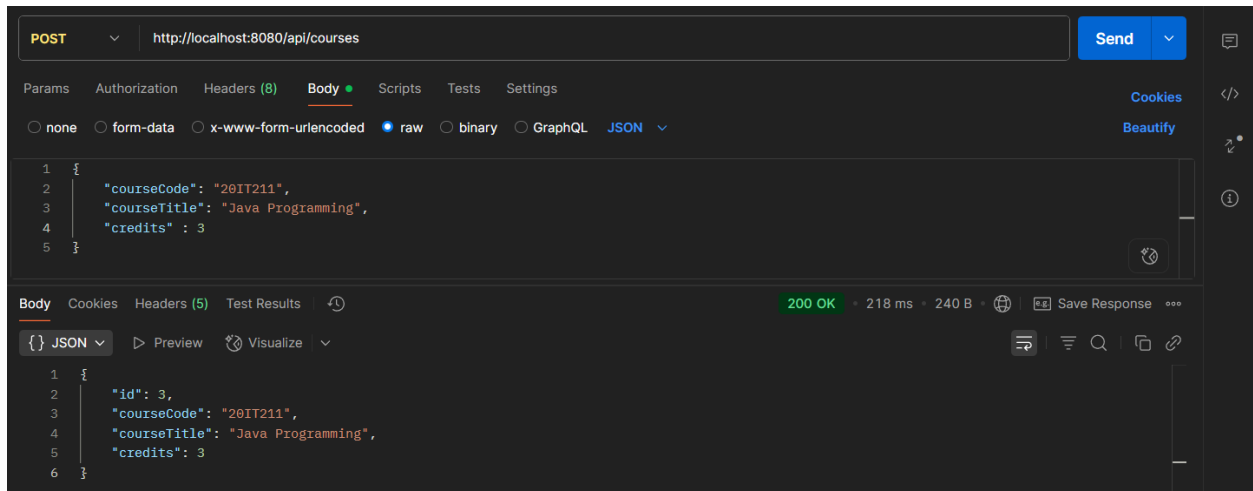
| Key | Value | Description |
|-----|-------|-------------|
| Key | Value | Description |

Body Cookies Headers (5) Test Results 200 OK • 24 ms • 293 B Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": 1,
4     "courseCode": "20IT258",
5     "courseTitle": "DBMS",
6     "credits": 3
7   },
8   {
9     "id": 2,
10    "courseCode": "20IT291",
11    "courseTitle": "OS",
12    "credits": 1
13  }
14 ]
```

POST : <http://localhost:8080/api/courses> (Adding a Course)



POST <http://localhost:8080/api/courses> Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Beautify

```
1 {
2   "courseCode": "20IT211",
3   "courseTitle": "Java Programming",
4   "credits" : 3
5 }
```

Body Cookies Headers (5) Test Results 200 OK • 218 ms • 240 B Save Response

{ } JSON Preview Visualize

```
1 {
2   "id": 3,
3   "courseCode": "20IT211",
4   "courseTitle": "Java Programming",
5   "credits": 3
6 }
```

GET : <http://localhost:8080/api/courses/{id}> (Getting a Single Course By id)

GET <http://localhost:8080/api/courses/1> Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

| Key | Value | Description |
|-----|-------|-------------|
| Key | Value | Description |

Body Cookies Headers (5) Test Results 200 OK • 13 ms • 228 B Save Response

JSON Preview Visualize

```
1 {
2   "id": 1,
3   "courseCode": "20IT258",
4   "courseTitle": "DBMS",
5   "credits": 3
6 }
```

Error:

GET <http://localhost:8080/api/courses/999> Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

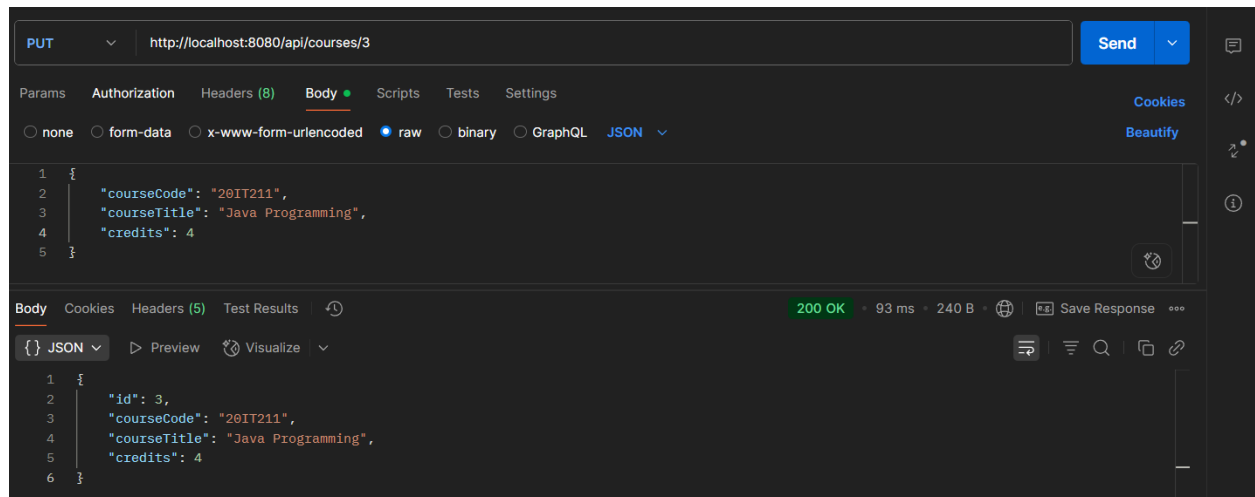
| Key | Value | Description |
|-----|-------|-------------|
| Key | Value | Description |

Body Cookies Headers (5) Test Results 404 Not Found • 14 ms • 335 B Save Response

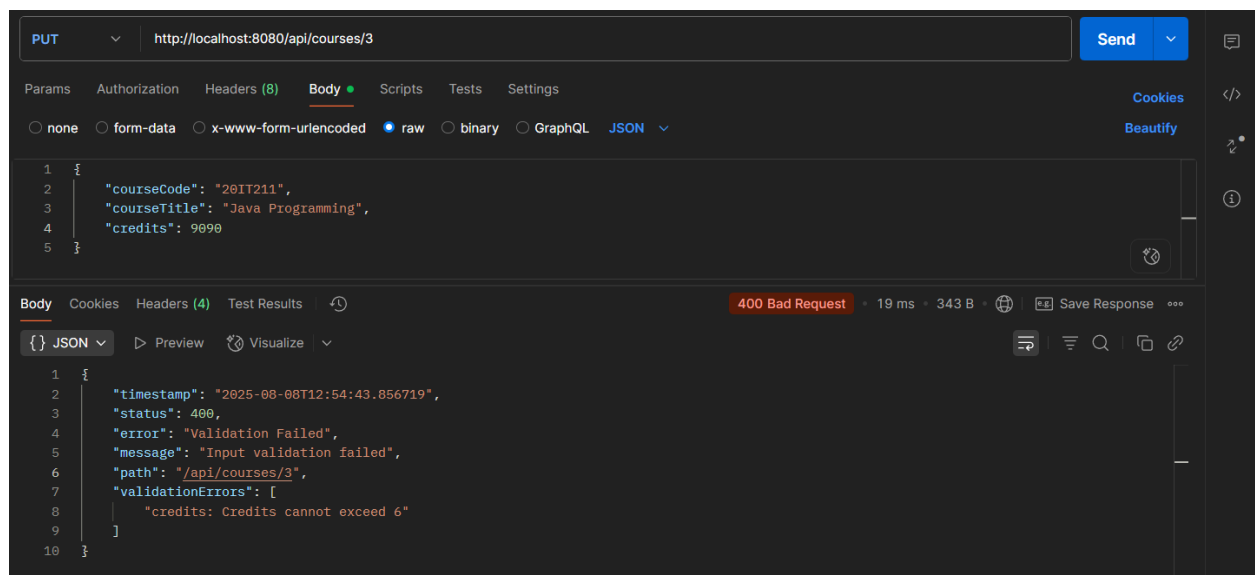
JSON Preview Visualize

```
1 {
2   "timestamp": "2025-08-08T12:50:41.5166872",
3   "status": 404,
4   "error": "Resource Not Found",
5   "message": "Course not found",
6   "path": "/api/courses/999",
7   "validationErrors": null
8 }
```

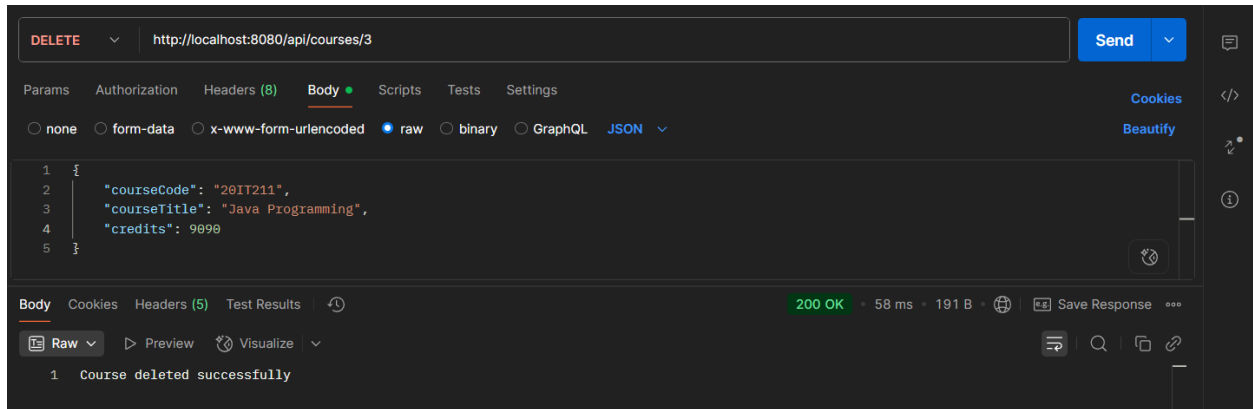
PUT : <http://localhost:8080/api/courses/{id}> (Updating a Course By its ID)



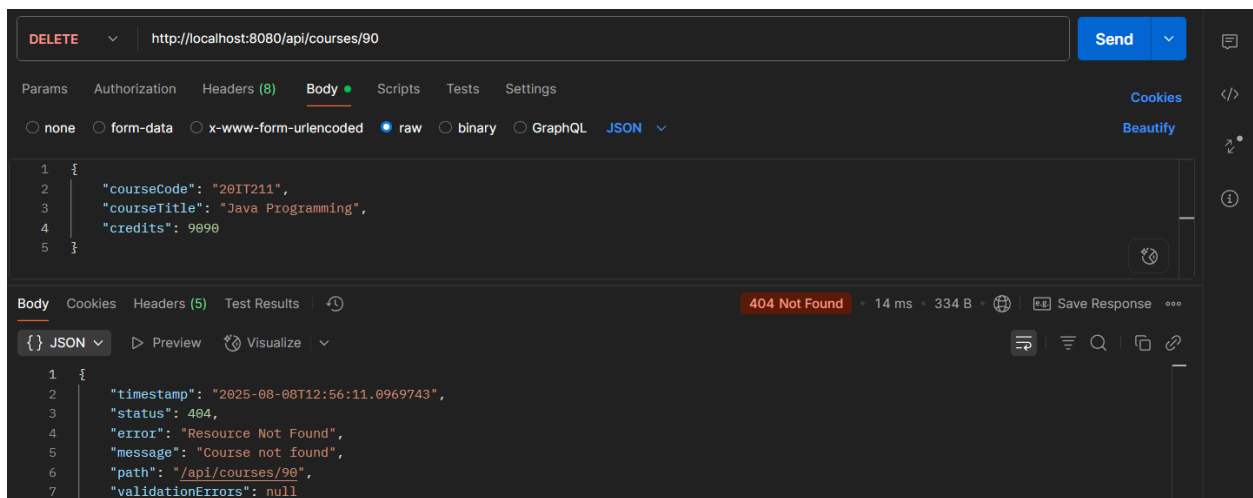
Error:



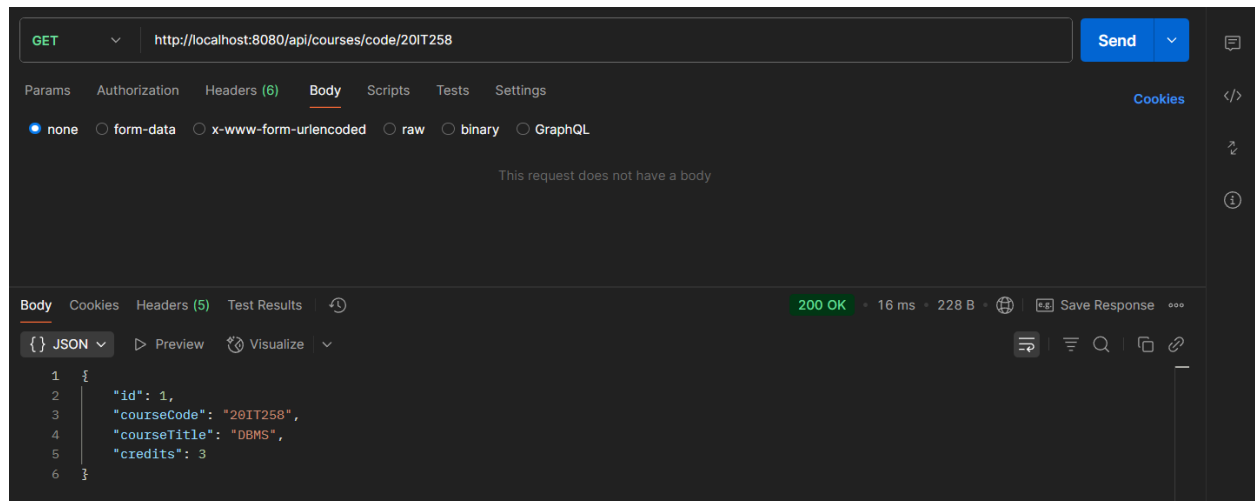
DELETE : <http://localhost:8080/api/courses/{id}> (Deleting a Course By ID)



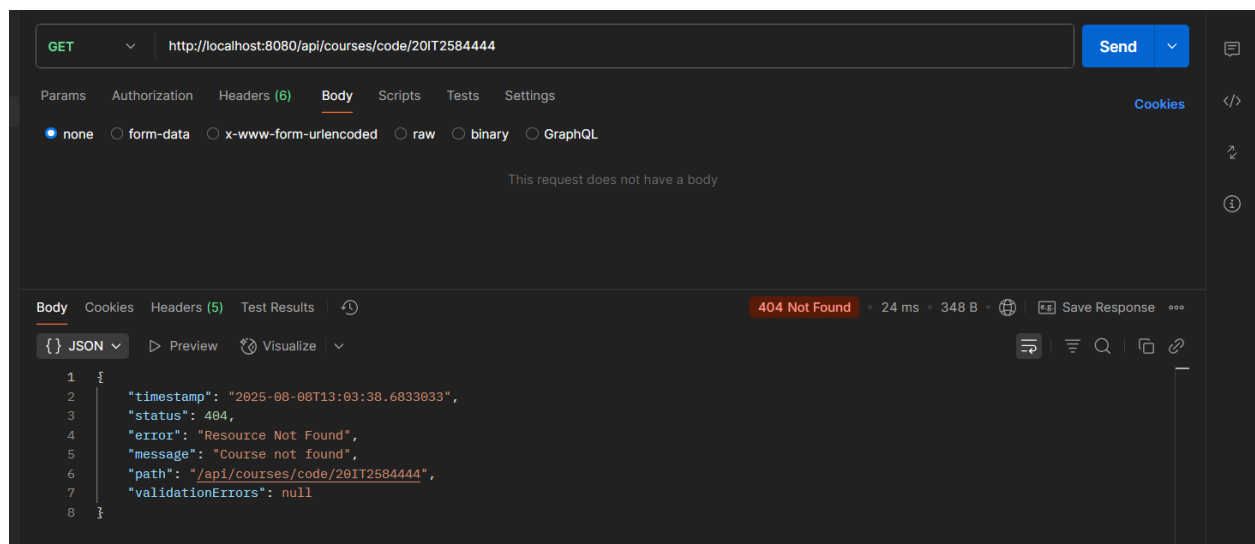
Error:



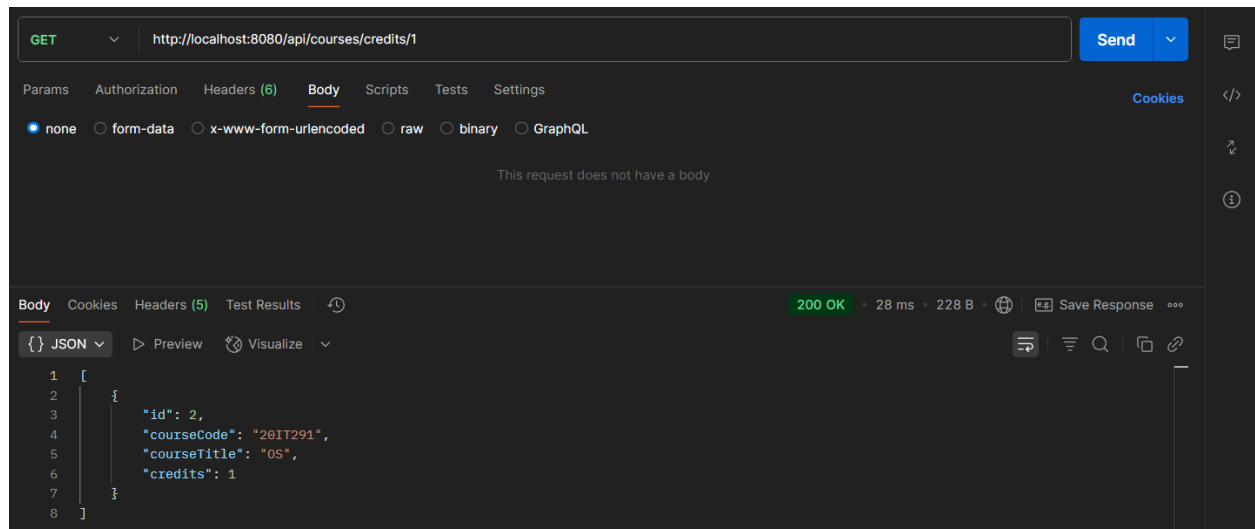
GET : <http://localhost:8080/api/courses/code/{courseCode}> (Getting Course by CourseCode)



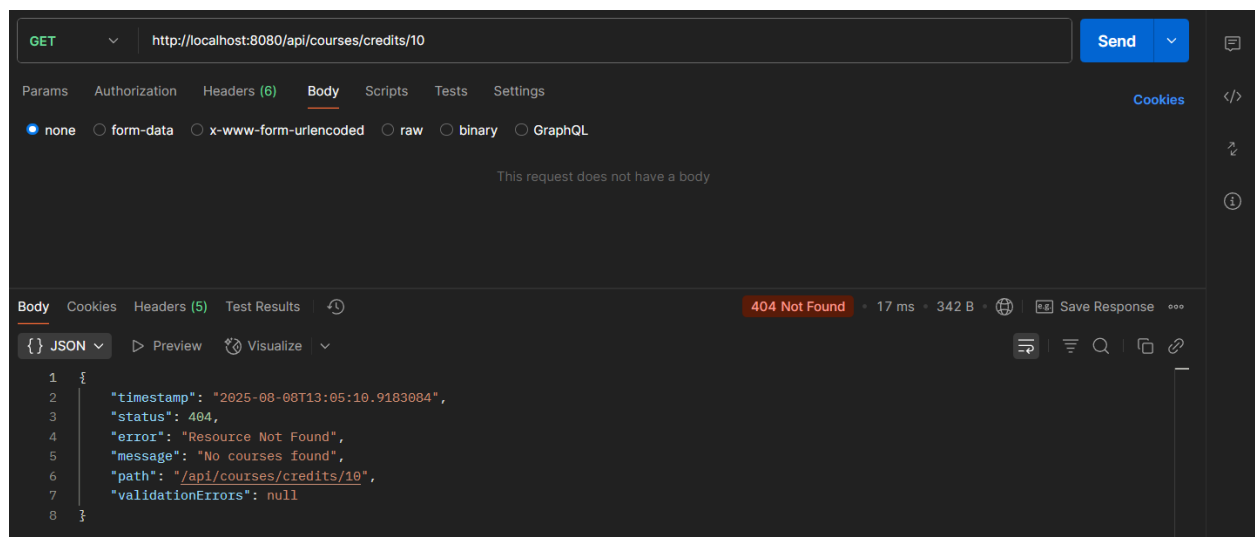
Error:



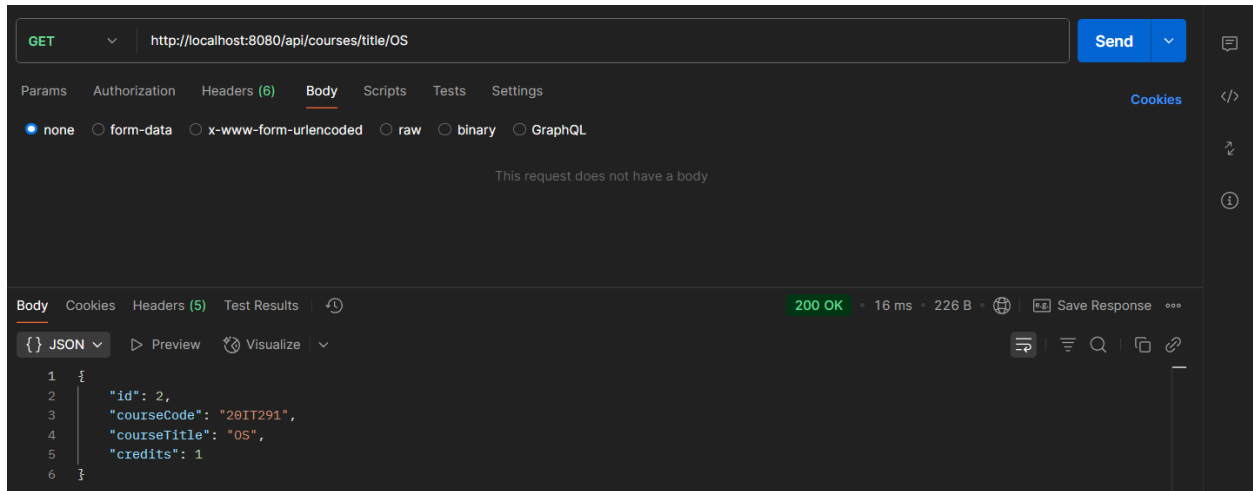
GET : <http://localhost:8080/api/courses/credits/{credits}> (Getting Couse by Credits)



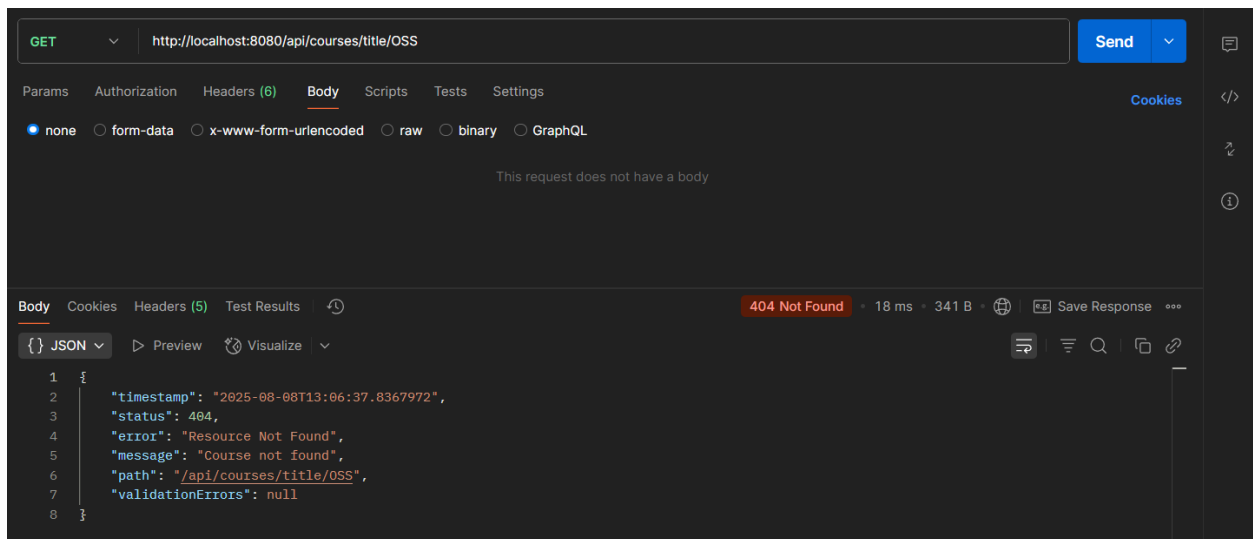
Error:



GET : <http://localhost:8080/api/courses/title/{courseTitle}> (Finding Course by Its Title)

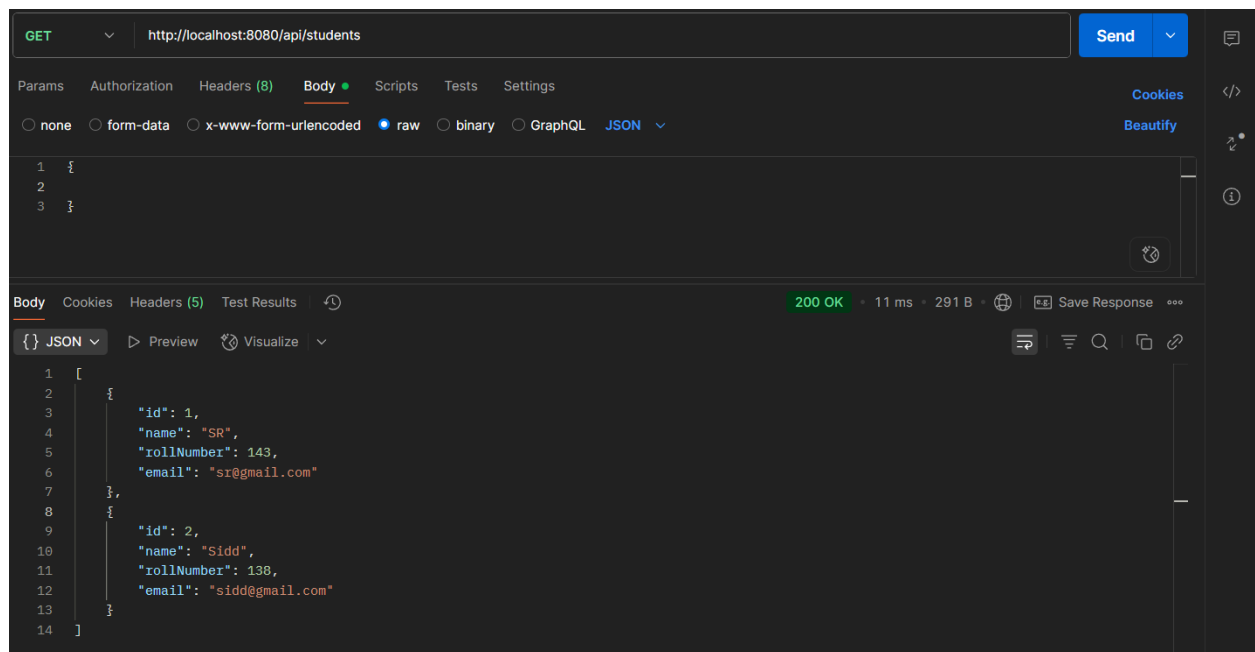


Error:

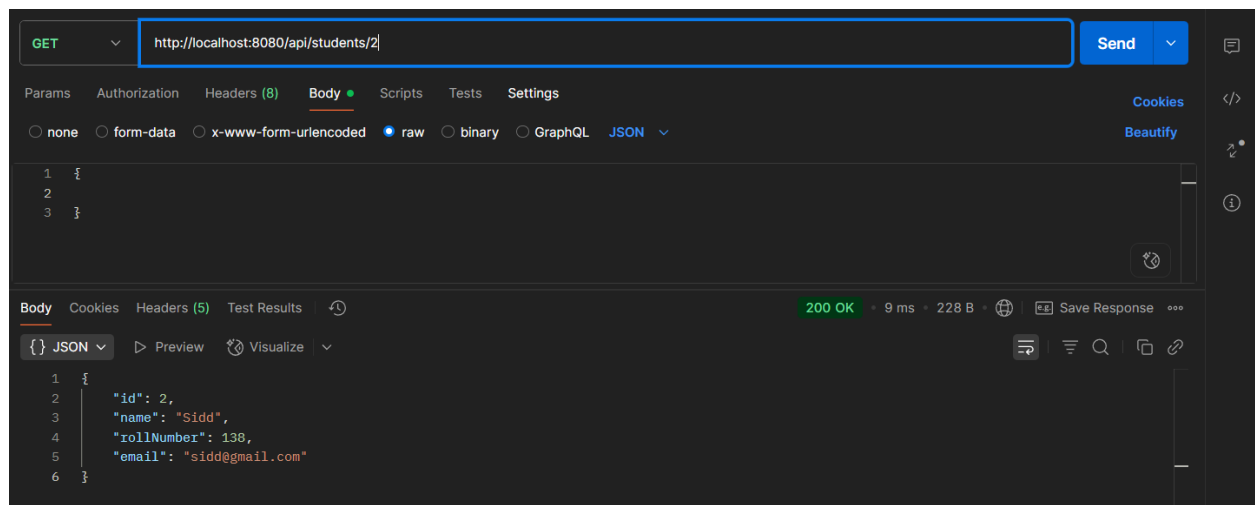


STUDENTS

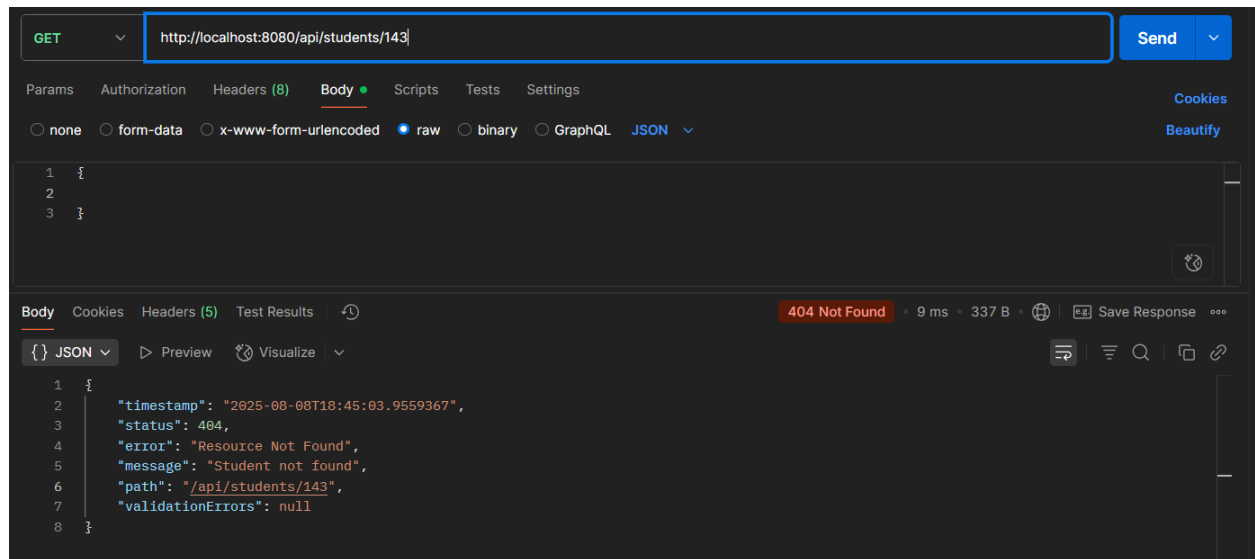
GET: <http://localhost:8080/api/students> (Get All Students)



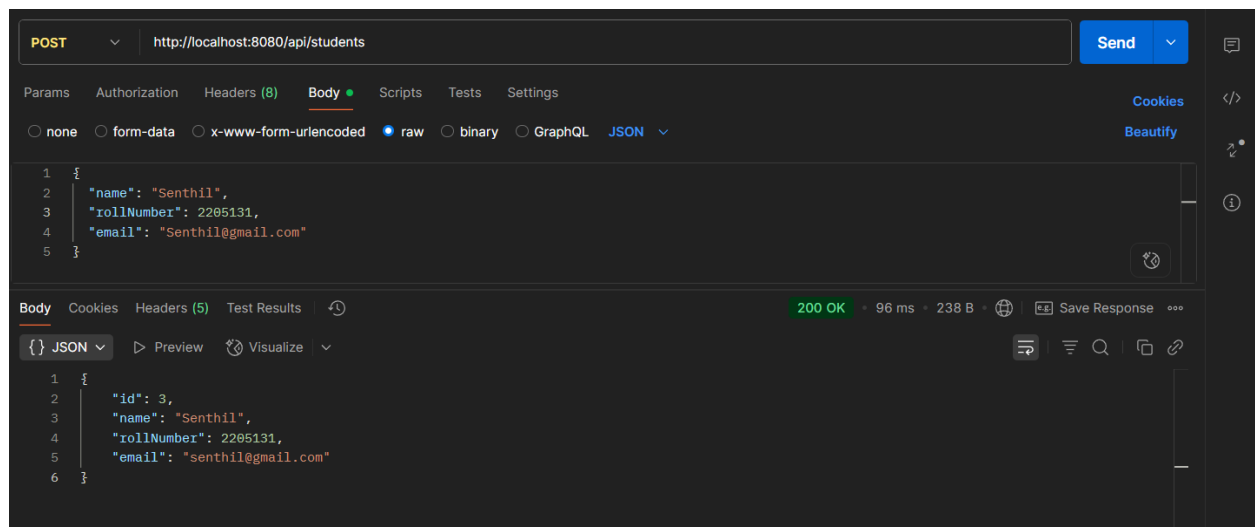
GET : <http://localhost:8080/api/students/{id}> (Get Student By ID)



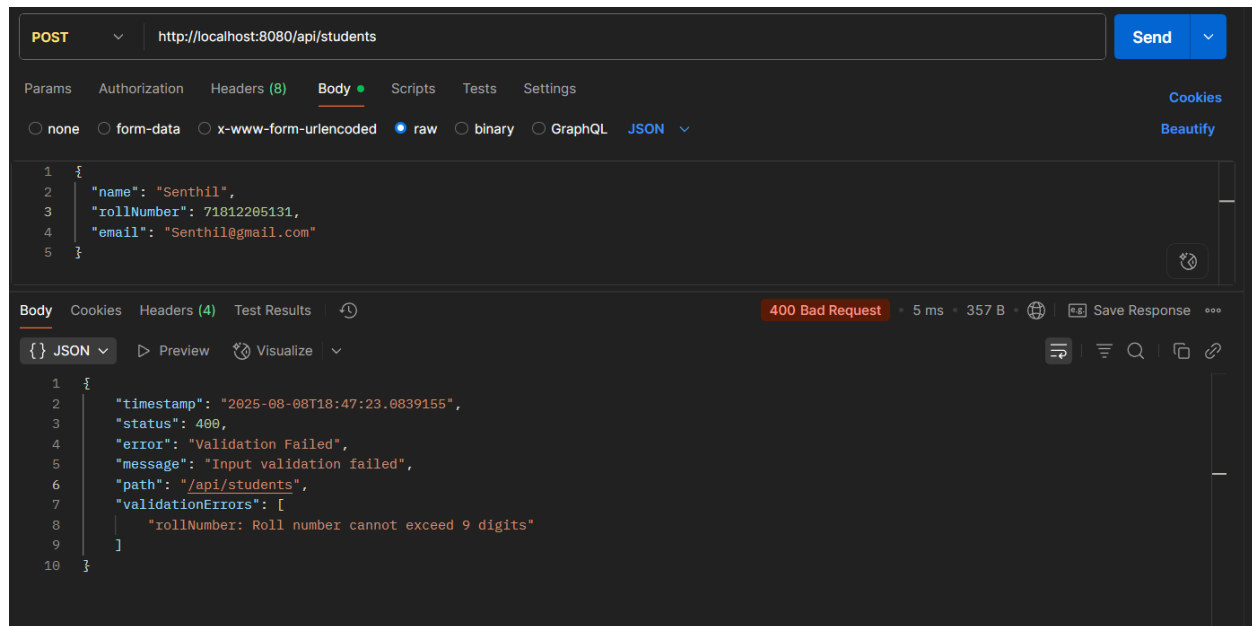
Error:



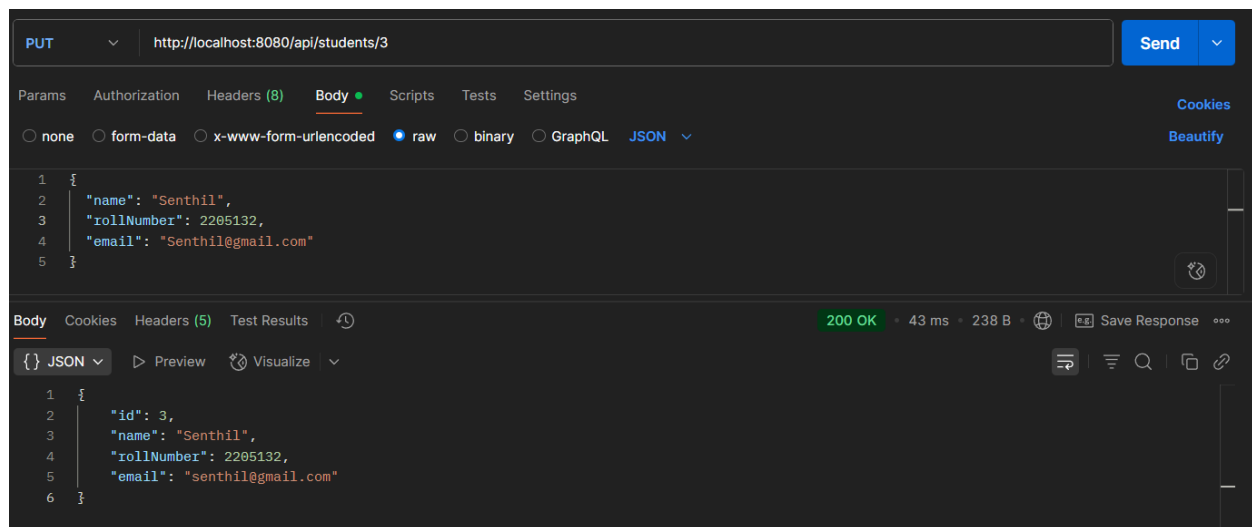
POST : <http://localhost:8080/api/students> (Adding a student)



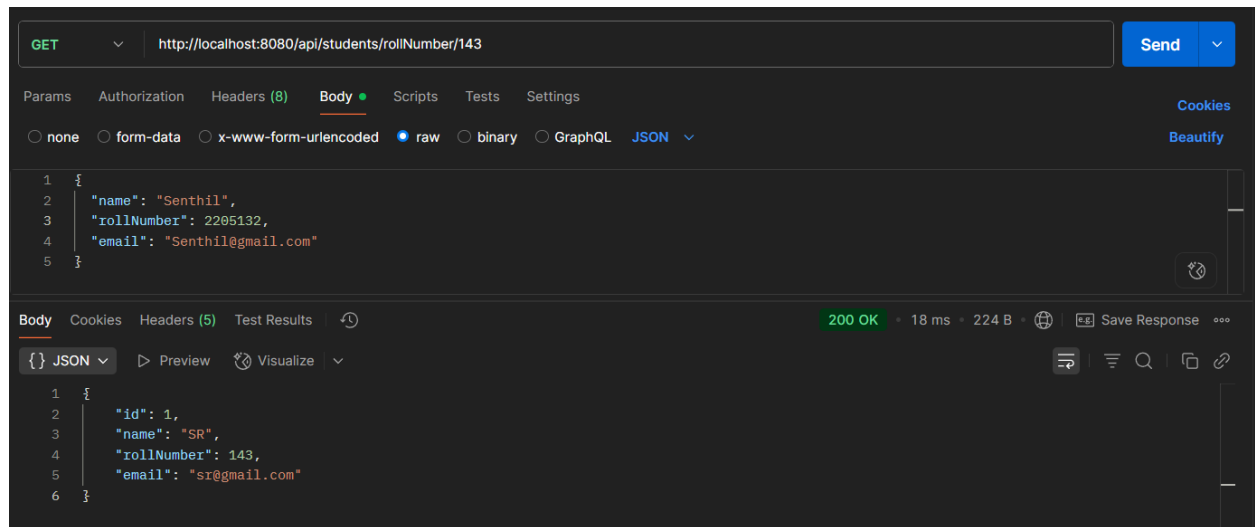
Error:



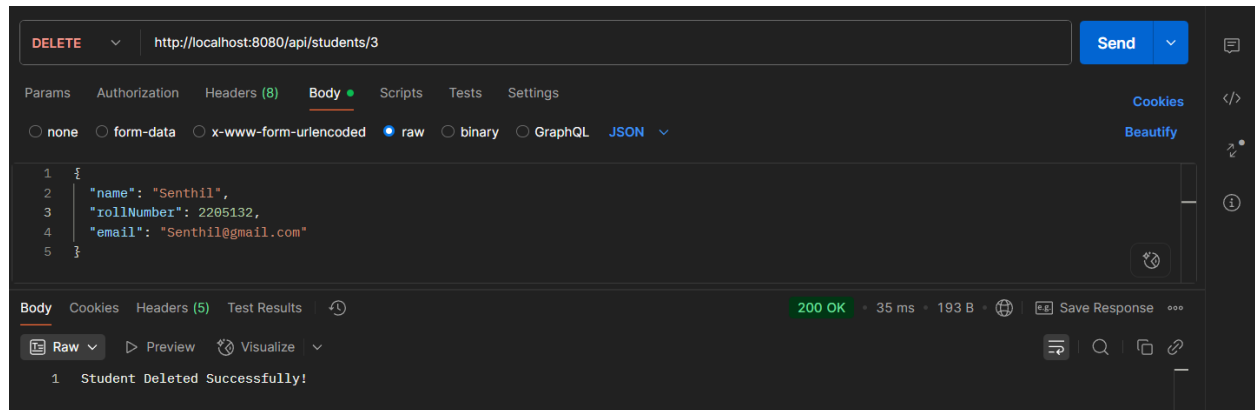
PUT : <http://localhost:8080/api/students/{id}> (Updating a Student by ID)



GET : <http://localhost:8080/api/students/rollNumber/{rollNumber}> (Get a Student By Roll Number)



DELETE : <http://localhost:8080/api/students/{id}> (Deleting a Student By ID)



Error:

DELETE <http://localhost:8080/api/students/3> Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies

Query Params

| Key | Value | Description |
|-----|-------|-------------|
| Key | Value | Description |

Body Cookies Headers (5) Test Results 404 Not Found 8 ms 335 B Save Response

{ JSON Preview Visualize

```
1 {
2   "timestamp": "2025-08-08T18:53:34.8565046",
3   "status": 404,
4   "error": "Resource Not Found",
5   "message": "Student not found",
6   "path": "/api/students/3",
7   "validationErrors": null
8 }
```

ENROLLMENTS

POST: <http://localhost:8080/api/enrollments> (Enrolling a Course)

POST <http://localhost:8080/api/enrollments> Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies Beautify

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```
1 {
2   "studentId": 1,
3   "courseId": 1,
4   "semester": "VI",
5   "year": 3
6 }
```

Body Cookies Headers (5) Test Results 201 Created 51 ms 370 B Save Response

{ JSON Preview Visualize

```
1 {
2   "id": 1,
3   "studentId": 1,
4   "studentName": "SR",
5   "courseId": 1,
6   "courseCode": "20IT258",
7   "courseTitle": "DBMS",
8   "enrollmentDate": "2025-08-08T18:55:44.4094928",
9   "status": "ACTIVE",
10  "grade": null,
11  "semester": "VI",
12  "year": 3
13 }
```

PUT: <http://localhost:8080/api/enrollments/1/grade?grade=A> (Updating Grade)

PUT <http://localhost:8080/api/enrollments/1/grade?grade=A> Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies

Query Params

| <input checked="" type="checkbox"/> Key | Value | Description | ... | Bulk Edit |
|---|-------|-------------|-----|-----------|
| <input checked="" type="checkbox"/> grade | A | | | |
| Key | Value | Description | | |

Body Cookies Headers (5) Test Results 200 OK • 13 ms • 363 B Save Response

{ } JSON Preview Visualize

```
1 {
2   "id": 1,
3   "studentId": 1,
4   "studentName": "SR",
5   "courseId": 1,
6   "courseCode": "20IT258",
7   "courseTitle": "DBMS",
8   "enrollmentDate": "2025-08-08T18:55:44.409493",
9   "status": "ACTIVE",
10  "grade": "A",
11  "semester": "VI",
12  "year": 3
13 }
```

GET: <http://localhost:8080/api/enrollments> (Get All Enrollments)

GET <http://localhost:8080/api/enrollments> Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies

Query Params

| Key | Value | Description | ... | Bulk Edit |
|-----|-------|-------------|-----|-----------|
| Key | Value | Description | | |

Body Cookies Headers (5) Test Results 200 OK • 13 ms • 365 B Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": 1,
4     "studentId": 1,
5     "studentName": "SR",
6     "courseId": 1,
7     "courseCode": "20IT258",
8     "courseTitle": "DBMS",
9     "enrollmentDate": "2025-08-08T18:55:44.409493",
10    "status": "ACTIVE",
11    "grade": "A",
12    "semester": "VI",
13    "year": 3
14  }
15 ]
```

GET : <http://localhost:8080/api/enrollments/student/{id}> (Get Enrollment by Student Id)

GET <http://localhost:8080/api/enrollments/student/2> Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies

Query Params

| Key | Value | Description | Bulk Edit |
|-----|-------|-------------|-----------|
| Key | Value | Description | |

Body Cookies Headers (5) Test Results

200 OK • 16 ms • 366 B Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": 2,
4     "studentId": 2,
5     "studentName": "Sidd",
6     "courseId": 2,
7     "courseCode": "20IT291",
8     "courseTitle": "OS",
9     "enrollmentDate": "2025-08-08T19:05:37.802643",
10    "status": "ACTIVE",
11    "grade": null,
12    "semester": "VI",
13    "year": 3
14  }
15 ]
```

GET : <http://localhost:8080/api/enrollments/course/{id}> (Getting Enrollment by Course Id)

GET <http://localhost:8080/api/enrollments/course/2> Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies

Query Params

| Key | Value | Description | Bulk Edit |
|-----|-------|-------------|-----------|
| Key | Value | Description | |

Body Cookies Headers (5) Test Results

200 OK • 9 ms • 366 B Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": 2,
4     "studentId": 2,
5     "studentName": "Sidd",
6     "courseId": 2,
7     "courseCode": "20IT291",
8     "courseTitle": "OS",
9     "enrollmentDate": "2025-08-08T19:05:37.802643",
10    "status": "ACTIVE",
11    "grade": null,
12    "semester": "VI",
13    "year": 3
14  }
15 ]
```

DELETE : <http://localhost:8080/api/enrollments/student/{studentId}/course/{courseId}>

(Deleting a Enrollment by Student Id and Course Id)

DELETE

http://localhost:8080/api/enrollments/student/2/course/2

Send

Params

Authorization

Headers (8)

Body

Scripts

Tests

Settings

Cookies

Query Params

| | Key | Value | Description | |
|--|-----|-------|-------------|--|
| | Key | Value | Description | |

Body

Cookies

Headers (5)

Test Results

200 OK • 22 ms • 195 B • Save Response

Raw

Preview

Visualize

1 Student unenrolled successfully