

# Documentation for Flask REST API

This part of documentation involves the test cases and expected outcomes.

- GET: should be for data retrieval.
- POST: should be used to create a new resource.
- PUT: should be used to update information about a specific resource.
- DELETE: should be used to delete a particular resource.
- PATCH: should be used to update partial information about a particular resource.

The URLs for

Admin Login: <http://127.0.0.1:5000/admin/login>

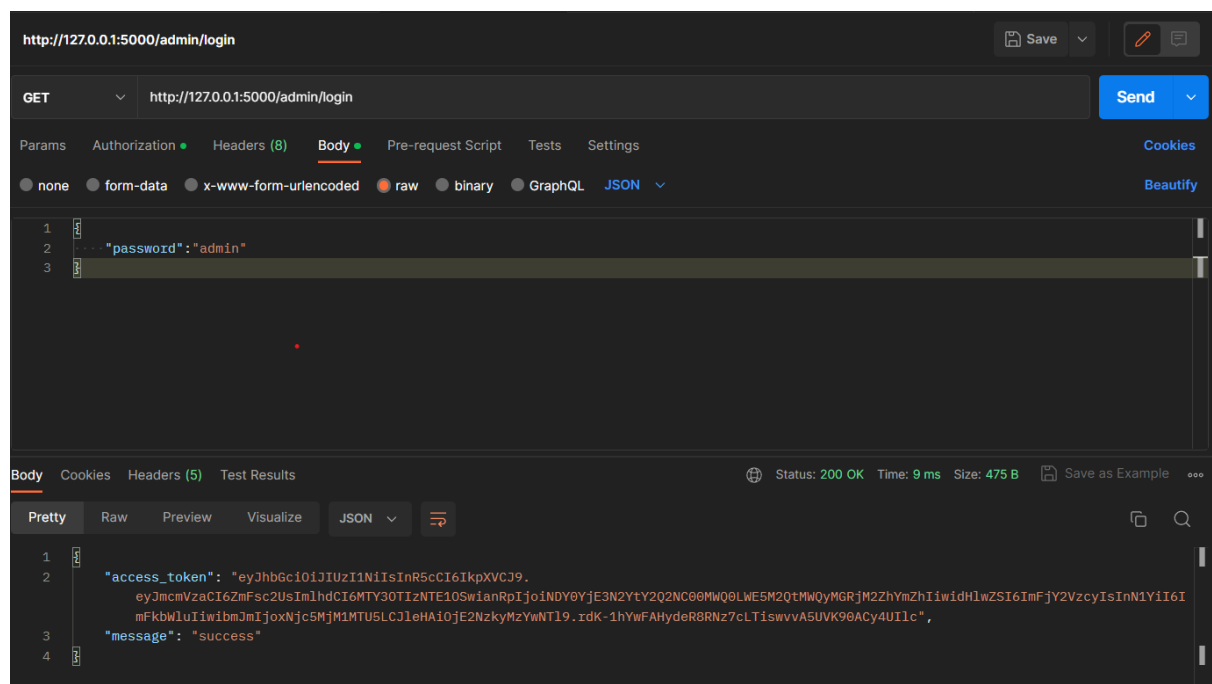
Student Login: <http://127.0.0.1:5000/student/login>

Student to view course list: <http://127.0.0.1:5000/student/list>

Student API: <http://127.0.0.1:5000/student>

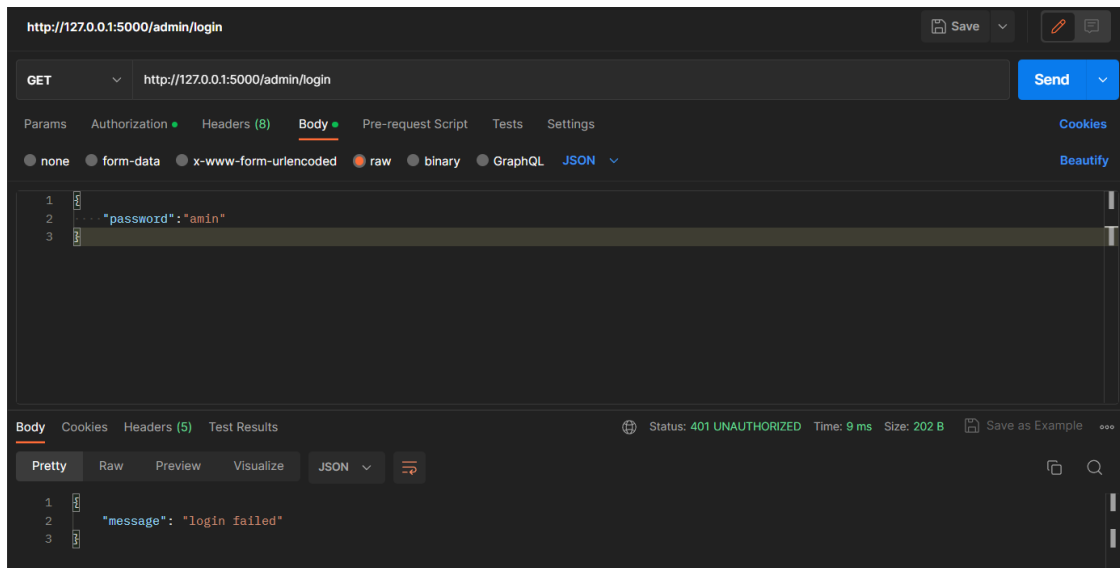
Admin API: <http://127.0.0.1:5000/admin>

Case 1:



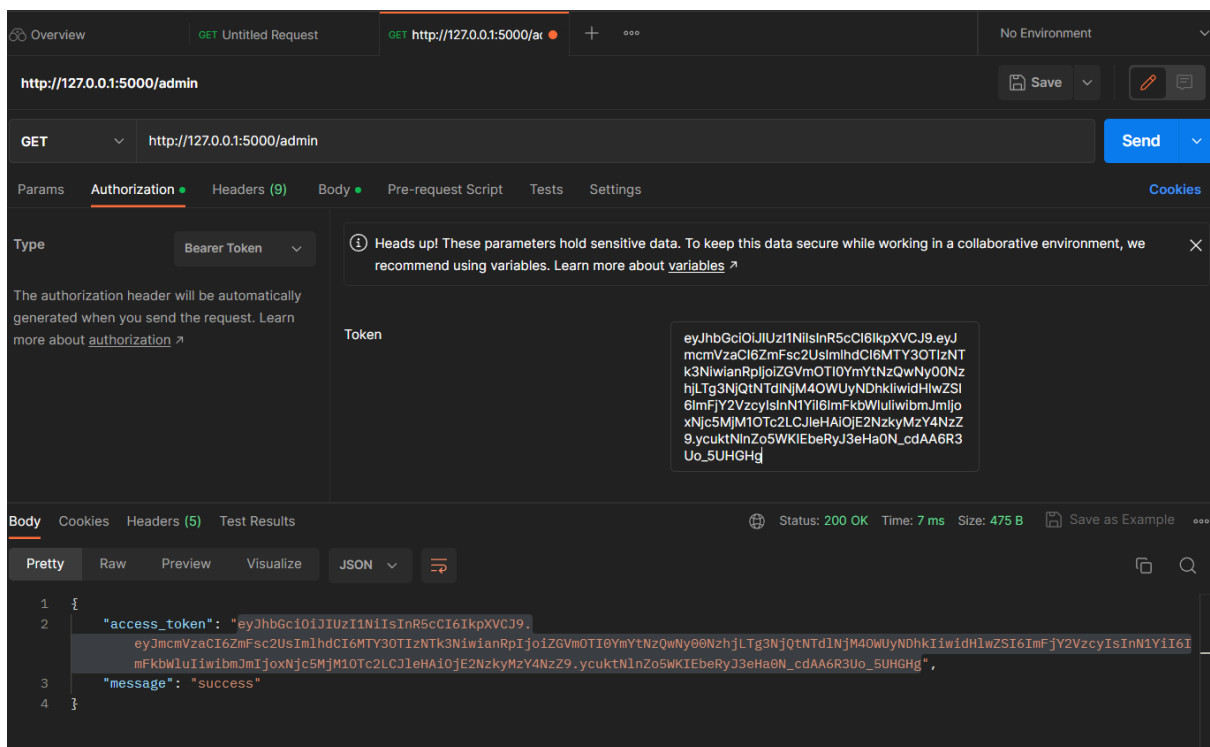
When we try to login with the credentials.

And when the password matches with the correct password we get the access token using which we can perform the CRUD operations of admin.



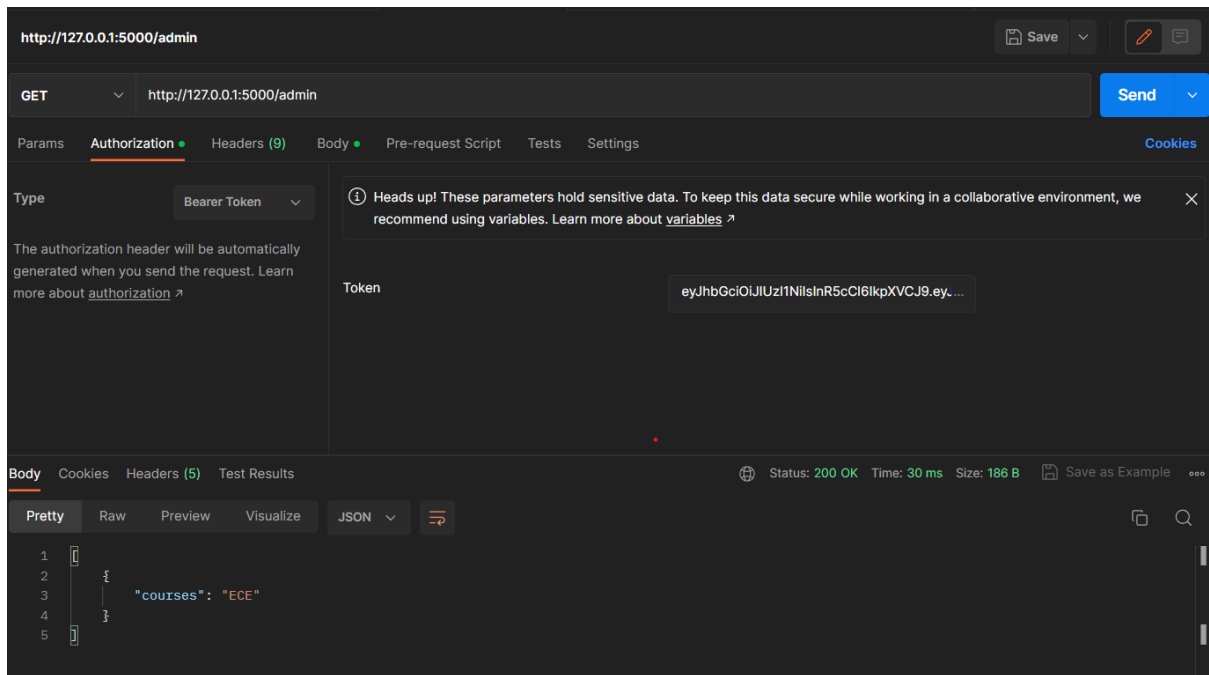
This the case when the password doesn't match. We receive a message stating that the login failed

Case 2:



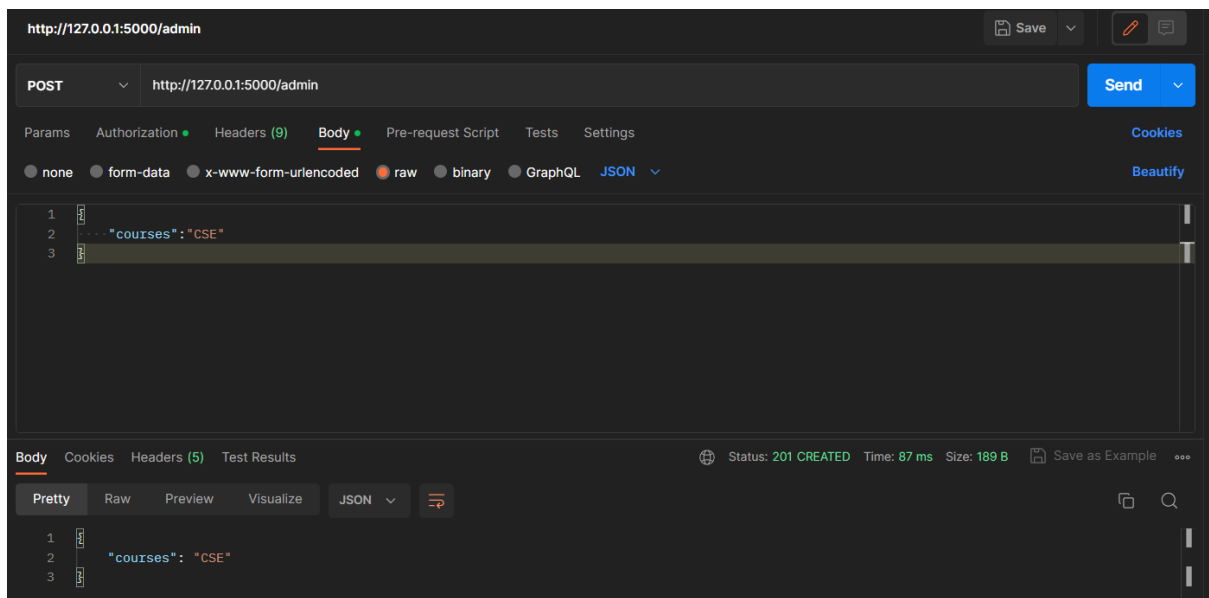
For authorization we have copy pasted the access token in the token box of authorization

Then If we give the GET request for admin we will receive the list of courses

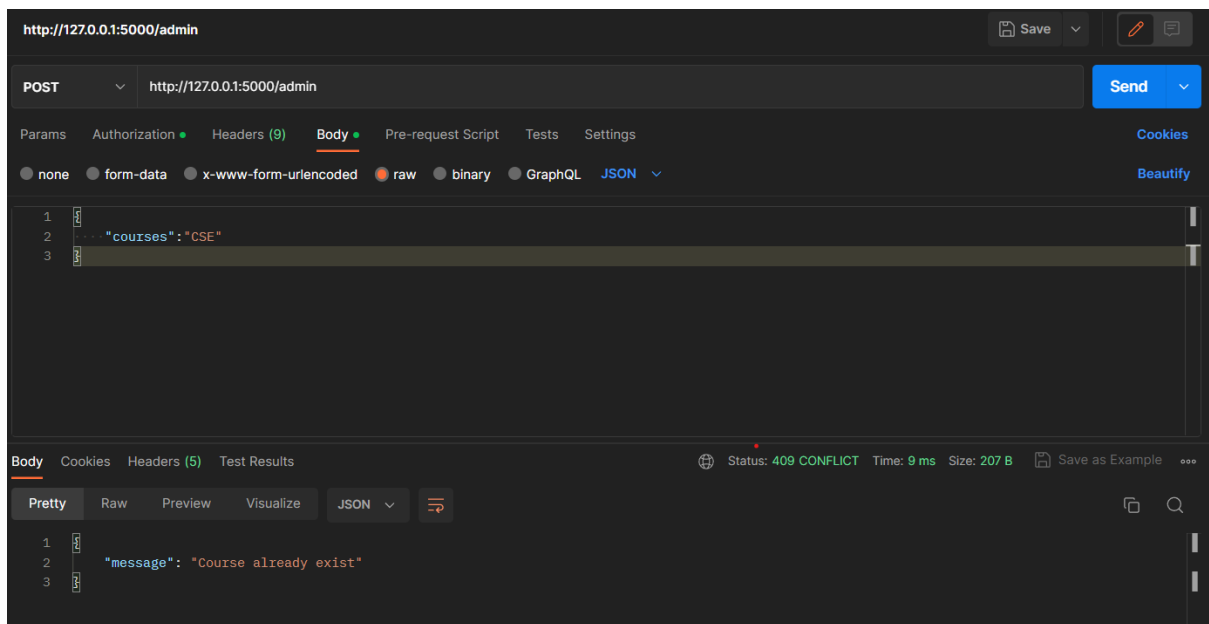


The courses are listed.

### Case 3:

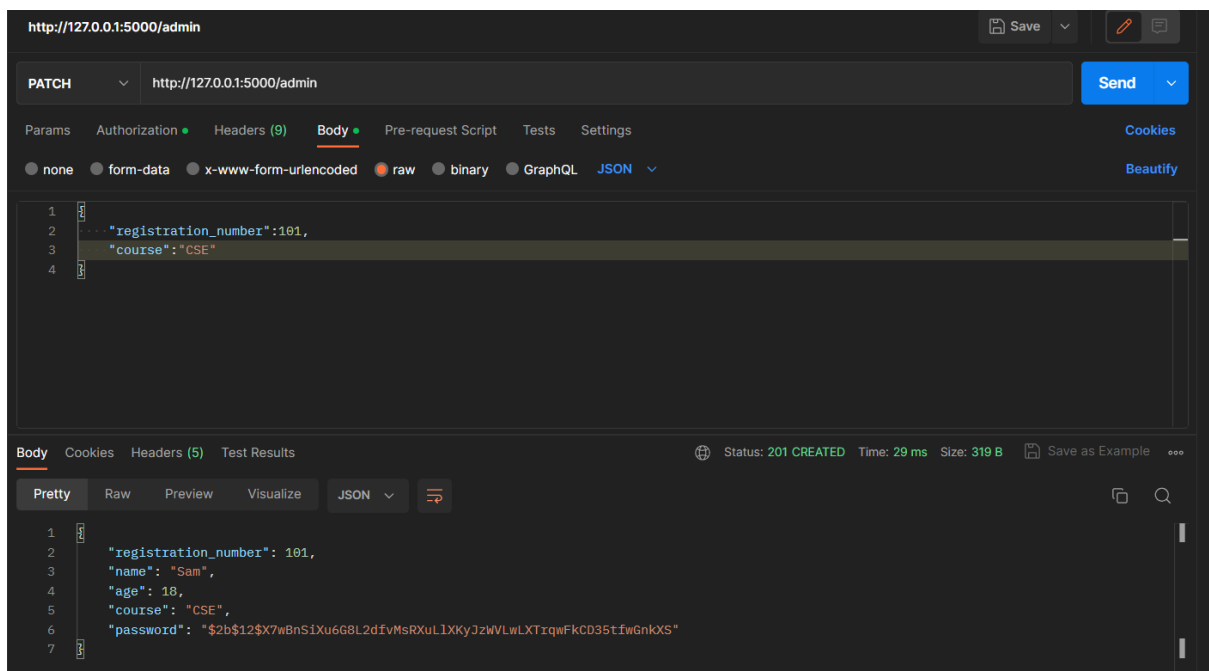


This is the POST request or the request for creating or adding the course CSE into the course table.

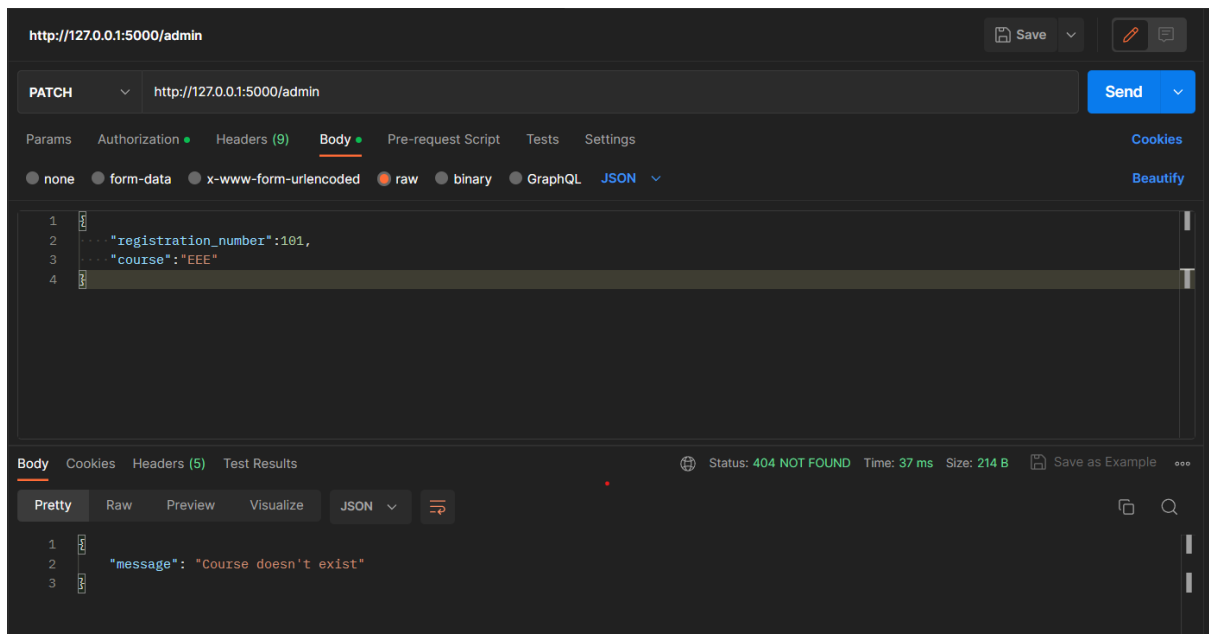


When we try to add the same course, we receive a message stating that the course already exists.

#### Case 4:

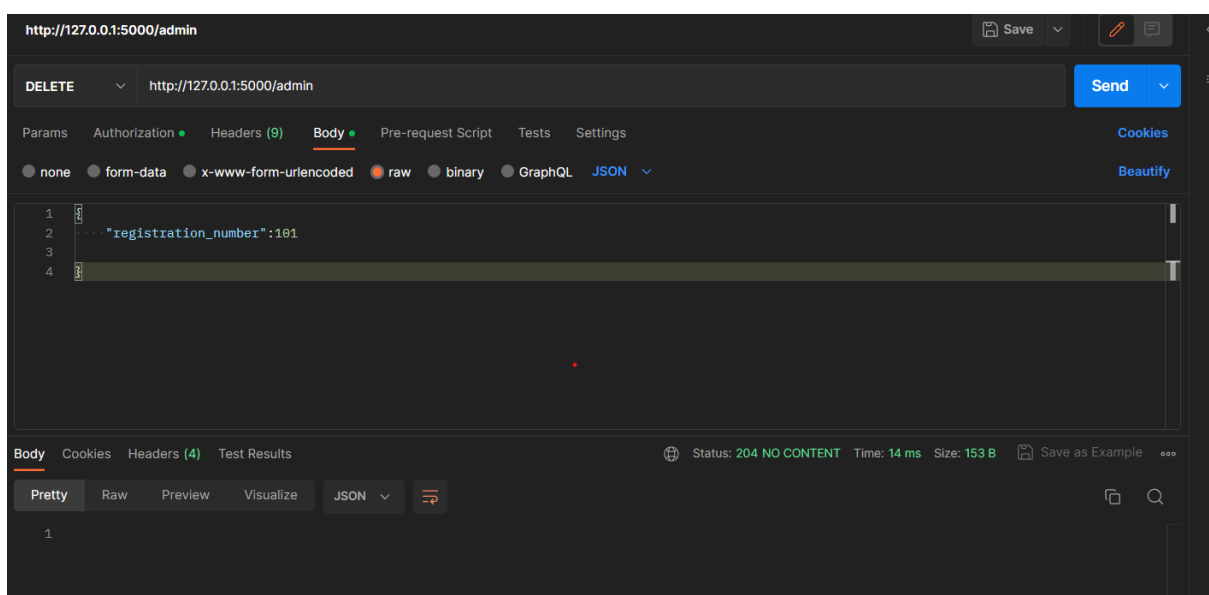


In this case we try to change the course of the student which can be done by the admin and not by the user.

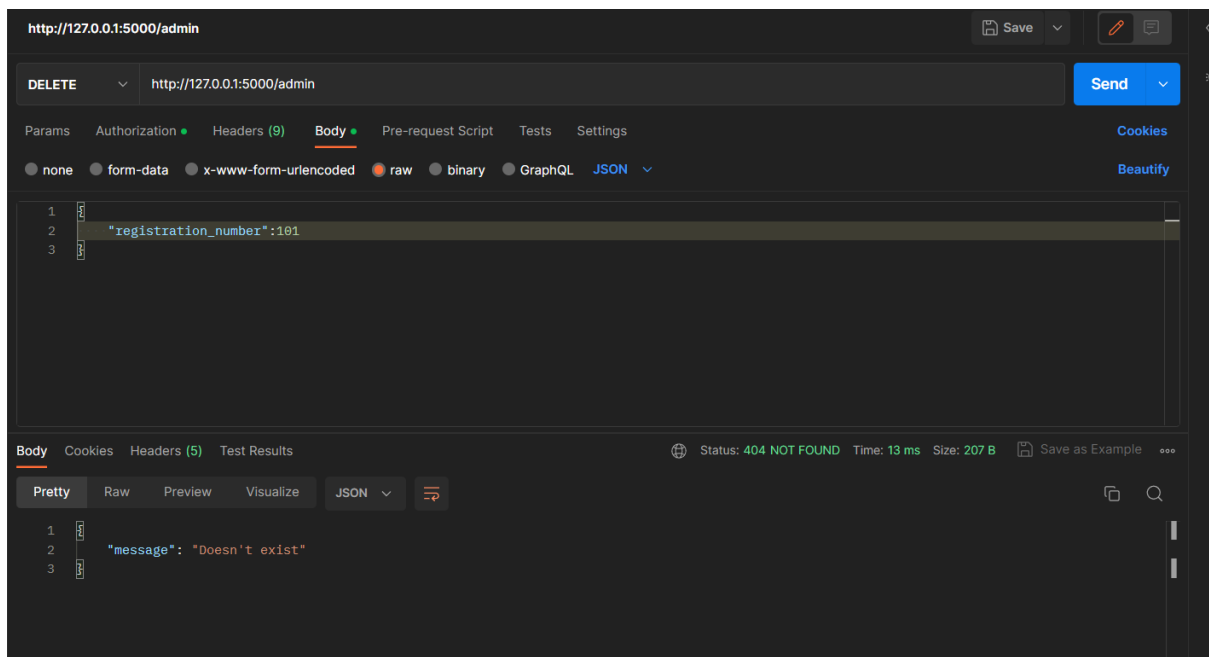


The message we get when we try to change the course that doesn't exist

## Case 5:

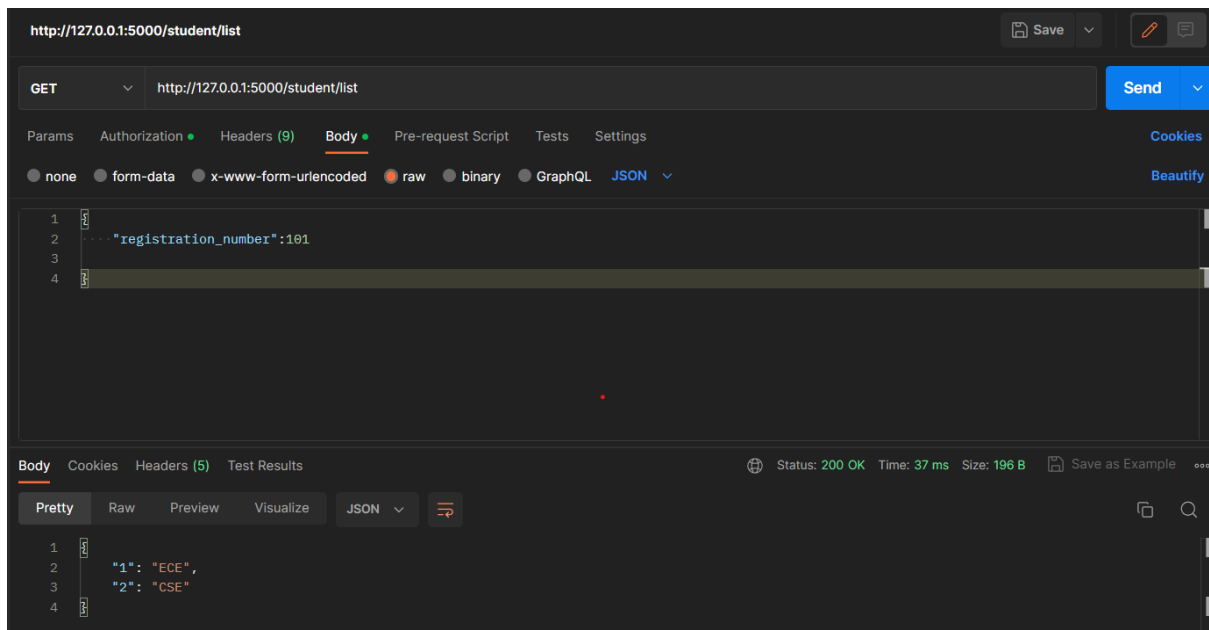


Deleting a student's details from the student table

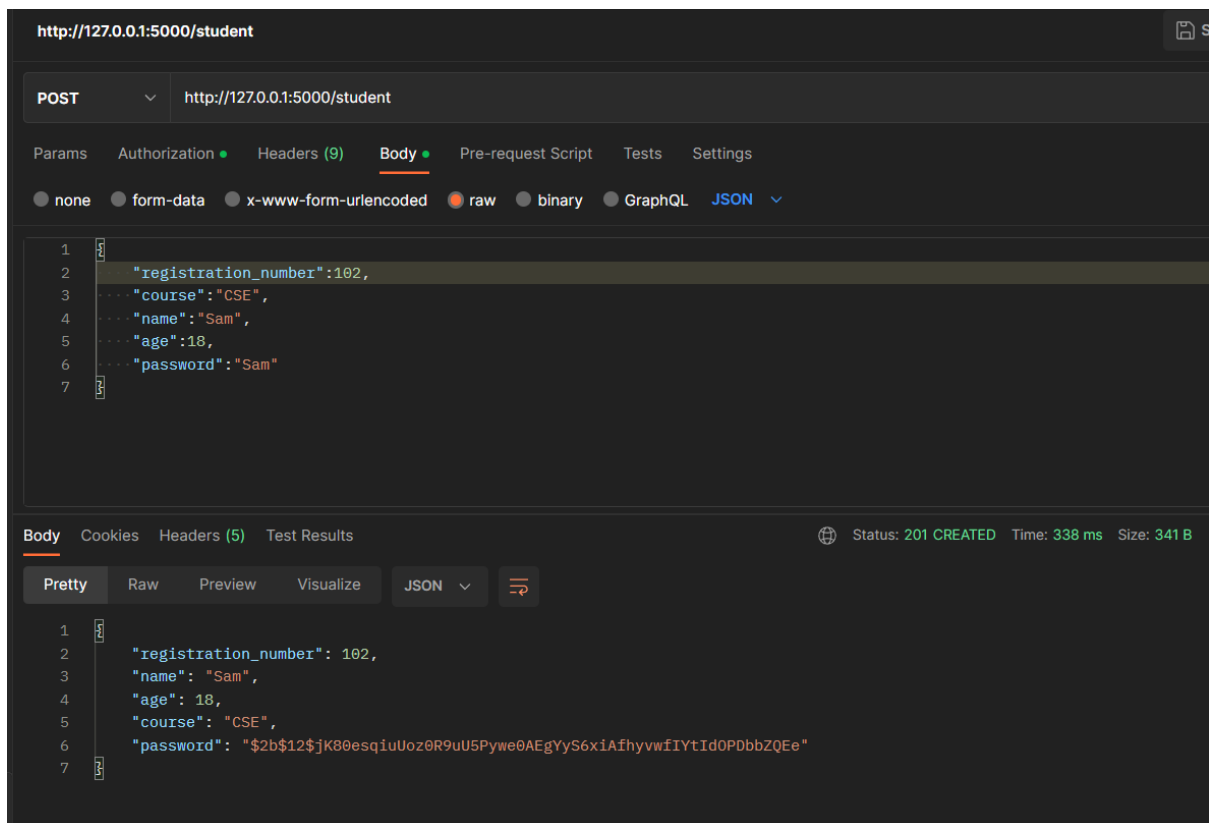


Trying to delete the same student details gives us this message.

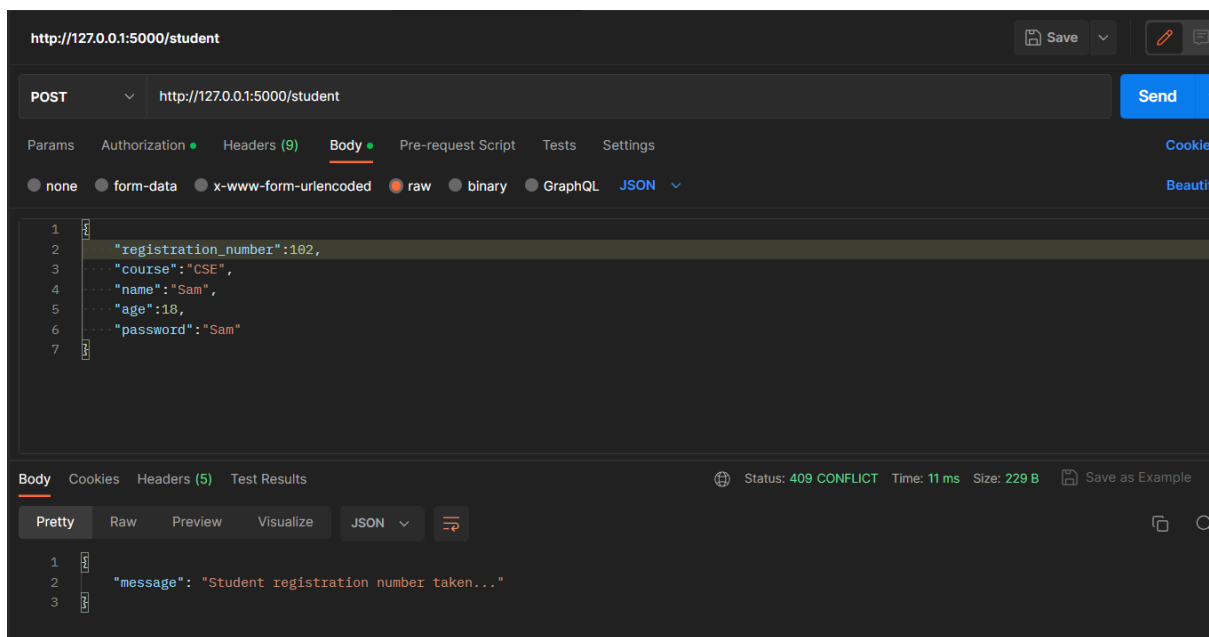
## Case 6:



Request for viewing the courses.

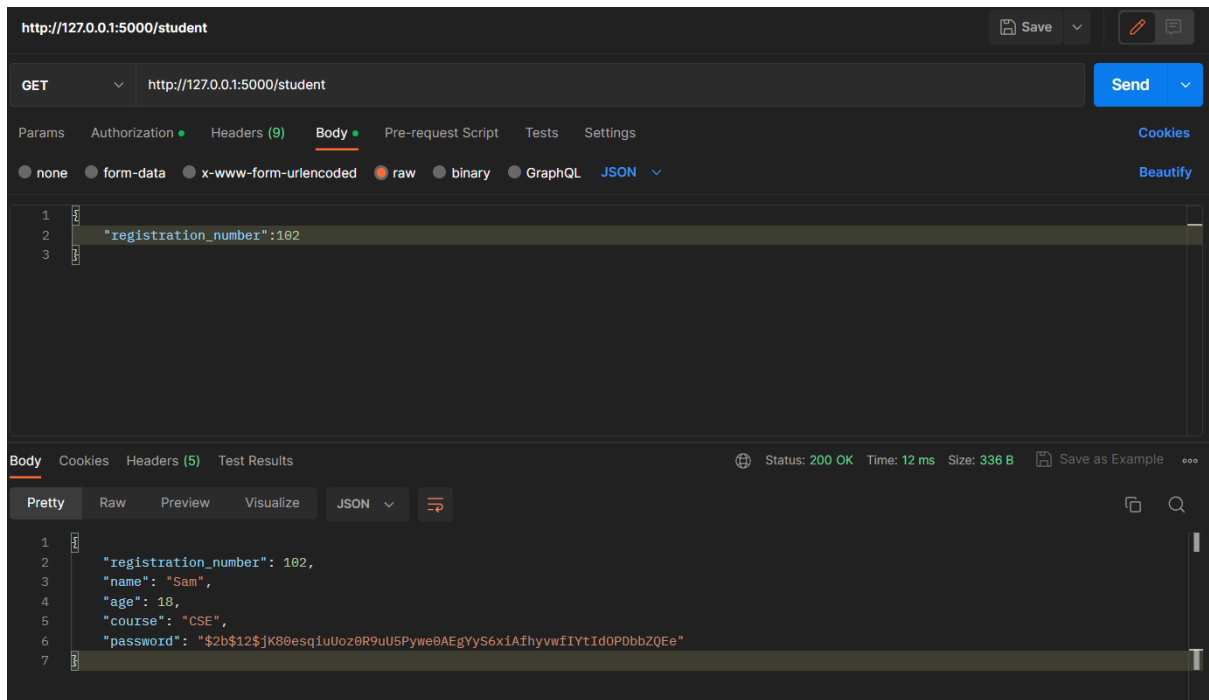


Adding a student's data into data base using POST request.

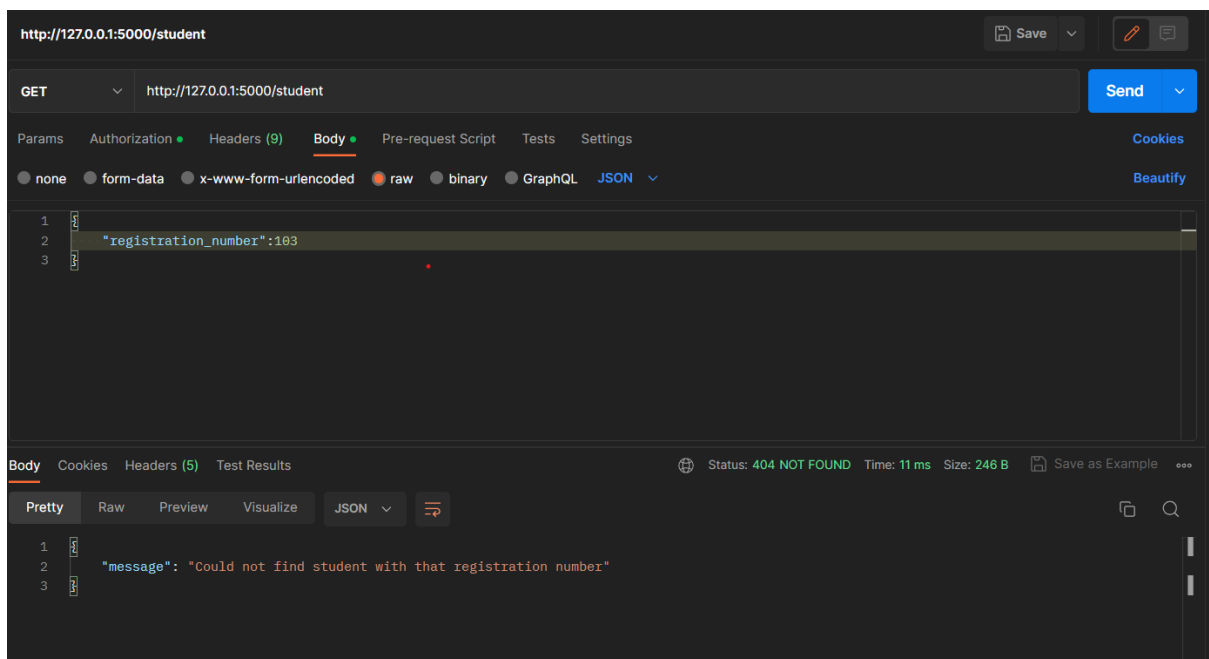


When we try to add the same student details we receive a message stating that the registration number is taken.

Case 7:



When we try to display the student details using GET request we receive the information in the JSON Format



When the registration number doesn't match with the numbers present in database.

We receive a message "Could not find student with that register number".

Token Expiry Case:



http://127.0.0.1:5000/student

GET

http://127.0.0.1:5000/student

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

2

3

"registration\_number":102

Body

Cookies

Headers (5)

Test Results

Status: 401 UNAUTHORIZED

Time: 9 ms

Size: 208 B

Save as Example

Pretty

Raw

Preview

Visualize

JSON

"msg": "Token has expired"