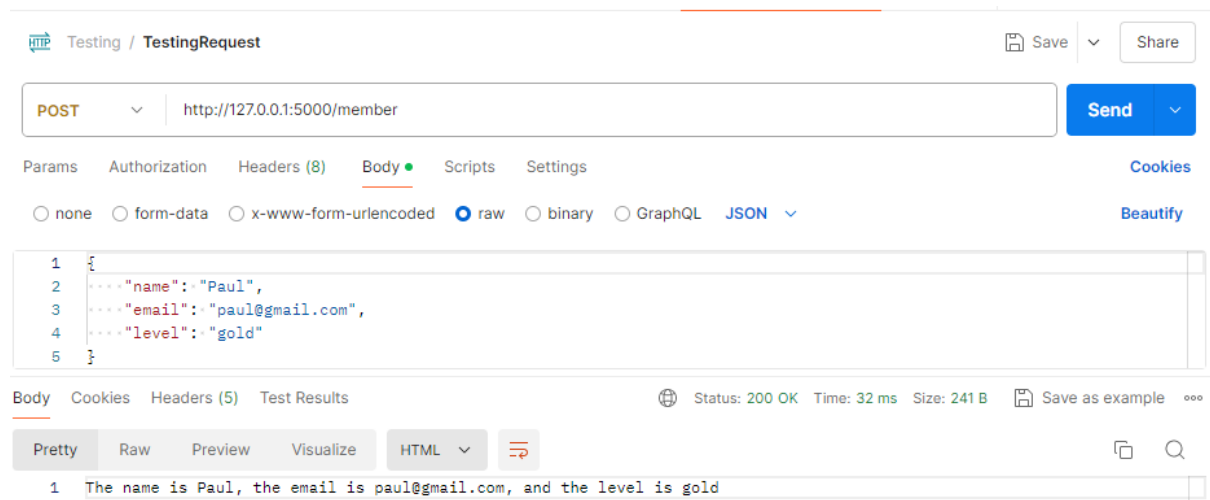


TESTING OF ENDPOINTS WITH POSTMAN

Send data to the end point and test it with postman



Testing / TestingRequest

POST http://127.0.0.1:5000/member

Body

```
1 {
2   "name": "Paul",
3   "email": "paul@gmail.com",
4   "level": "gold"
5 }
```

Status: 200 OK Time: 32 ms Size: 241 B

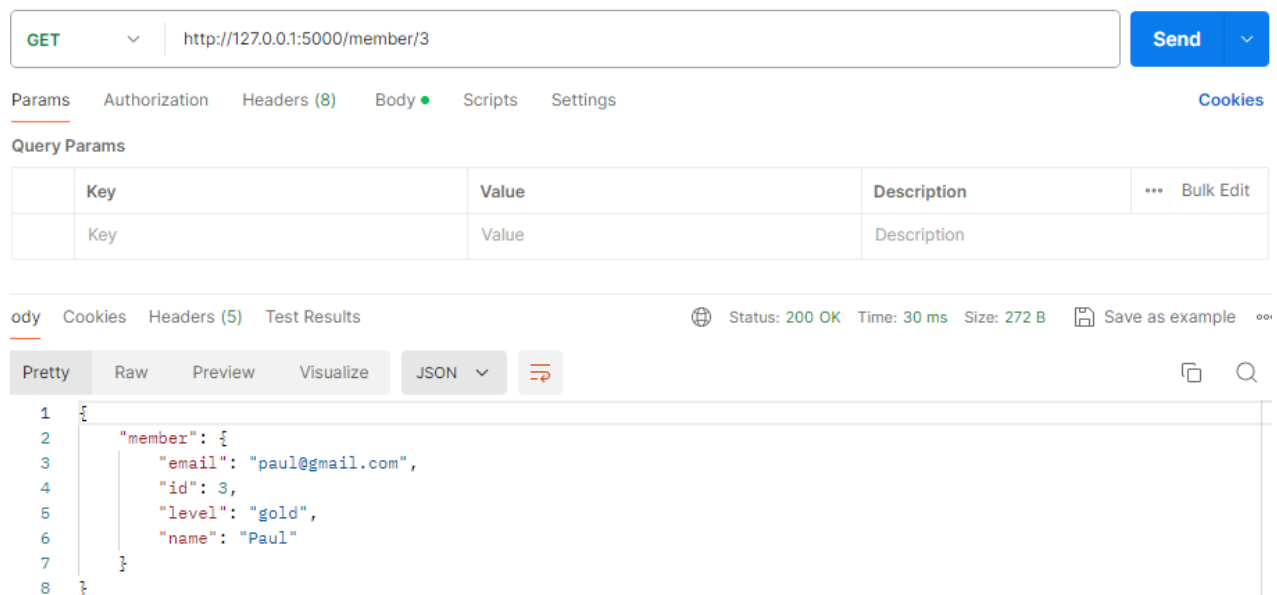
1 The name is Paul, the email is paul@gmail.com, and the level is gold

```
sqlite> select * from members;
1|Anthony|anthony@pretttyprinted.com|Platnium
2|John Doe|john.doe@example.com|Beginner
3|Paul|paul@gmail.com|gold
```

```
@app.route('/member', methods=['POST'])
def add_member():
```

ENDPOINT TESTED

Get the member by id



GET http://127.0.0.1:5000/member/3

Query Params

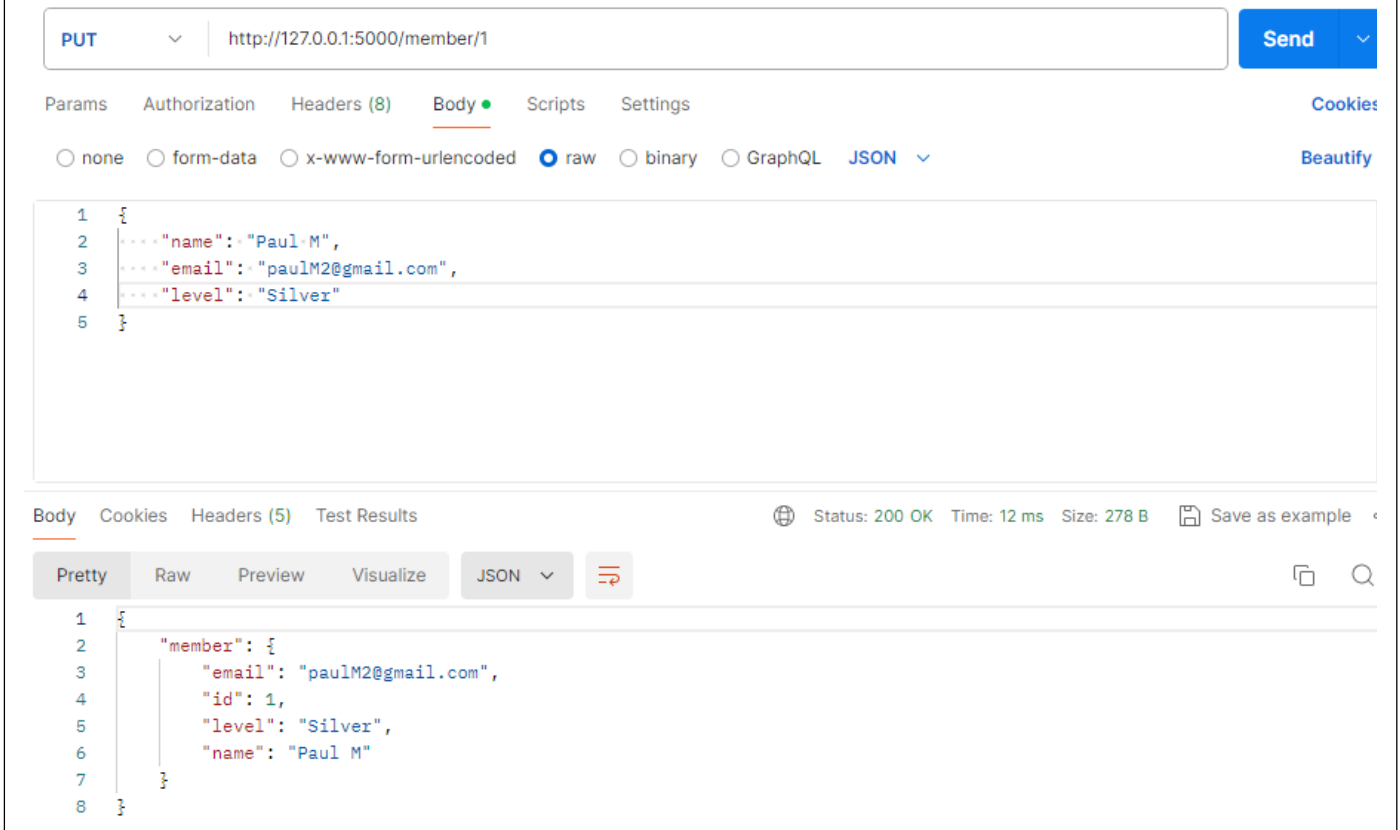
Key	Value	Description	...	Bulk Edit
Key	Value	Description		

Status: 200 OK Time: 30 ms Size: 272 B

```
1 {
2   "member": {
3     "email": "paul@gmail.com",
4     "id": 3,
5     "level": "gold",
6     "name": "Paul"
7   }
8 }
```

TESTING OF ENDPOINTS WITH POSTMAN

Update a member with POSTMAN



The screenshot shows a Postman interface for a PUT request. The URL is `http://127.0.0.1:5000/member/1`. The request body is a JSON object with the following structure:

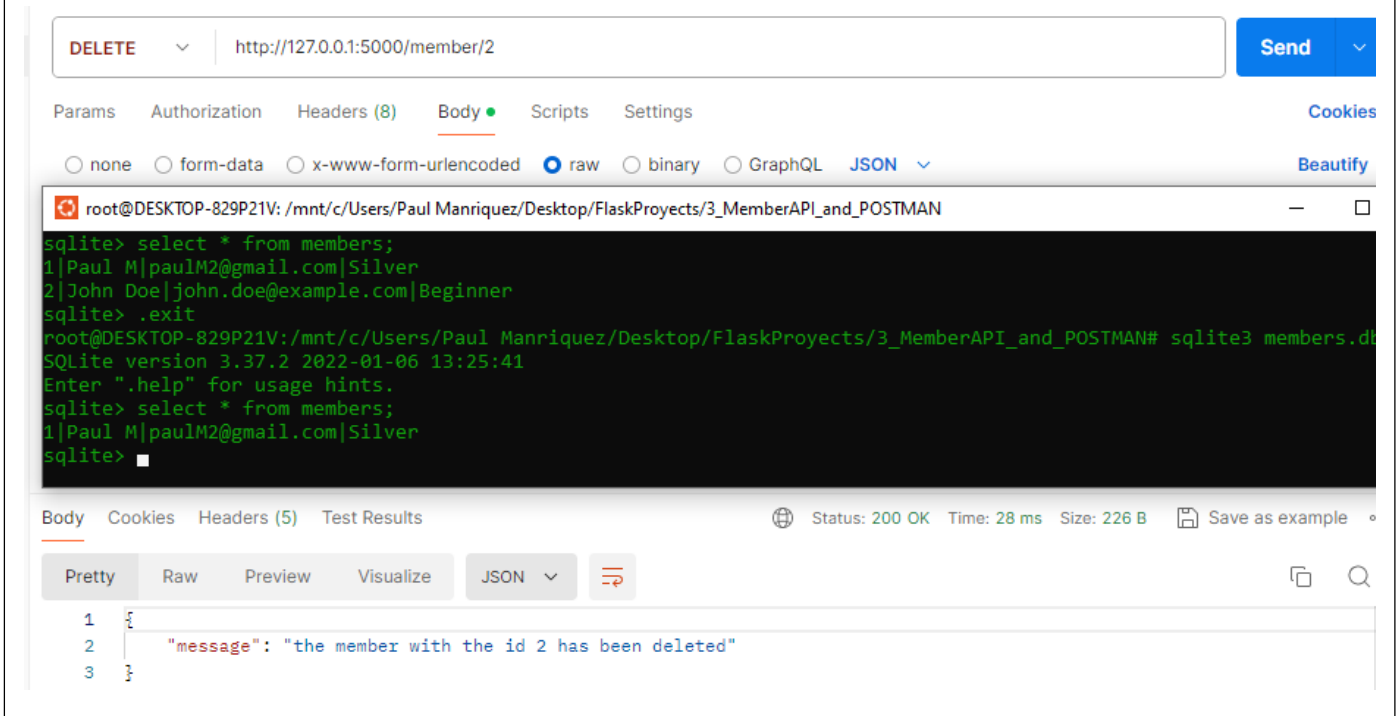
```
1 {
2   "name": "Paul M",
3   "email": "paulM2@gmail.com",
4   "level": "Silver"
5 }
```

The response is shown in the bottom panel, which is a JSON object with a "member" field containing the updated member details:

```
1 {
2   "member": {
3     "email": "paulM2@gmail.com",
4     "id": 1,
5     "level": "Silver",
6     "name": "Paul M"
7   }
8 }
```

Status: 200 OK, Time: 12 ms, Size: 278 B.

DELETE



The screenshot shows a Postman interface for a DELETE request. The URL is `http://127.0.0.1:5000/member/2`. The response is shown in the bottom panel, which is a JSON object with a "message" field:

```
1 {
2   "message": "the member with the id 2 has been deleted"
3 }
```

Status: 200 OK, Time: 28 ms, Size: 226 B.

Below the Postman interface, a terminal window shows the following commands and output:

```
root@DESKTOP-829P21V: /mnt/c/Users/Paul Manriquez/Desktop/FlaskProjects/3_MemberAPI_and_POSTMAN
sqlite> select * from members;
1|Paul M|paulM2@gmail.com|Silver
2|John Doe|john.doe@example.com|Beginner
sqlite> .exit
root@DESKTOP-829P21V: /mnt/c/Users/Paul Manriquez/Desktop/FlaskProjects/3_MemberAPI_and_POSTMAN# sqlite3 members.db
SQLite version 3.37.2 2022-01-06 13:25:41
Enter ".help" for usage hints.
sqlite> select * from members;
1|Paul M|paulM2@gmail.com|Silver
sqlite>
```

TESTING OF ENDPOINTS WITH POSTMAN

Authentication and POSTMAN

```
53 #===== Authentication =====
54 username = request.authorization.username
55 password = request.authorization.password
56
57 if username == api_username and password == apr_password:
58     print('*****UserName|Password*****')
59     print(f'Name:{username} Password={password} authentication PASS')
60     return jsonify({'members':Members})
61 else:
62     print('*****UserName|Password*****')
63     print(f'Name:{username} Password={password} authentication FAILED')
64     return jsonify({'message':'Authentication failed!'}), 403
65
66 #===== Insert a member POST
67 @app.route('/member', methods=['POST'])
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
127.0.0.1 - - [05/Jun/2024 09:54:46] "GET /member HTTP/1.1" 200 -
* Detected change in 'c:\\Users\\Paul Manriquez\\Desktop\\FlaskProjects\\3_Member
* Restarting with stat
* Debugger is active!
* Debugger PIN: 134-715-091
*****
*****UserName|Password*****
Name:admin Password=password authentication PASS
127.0.0.1 - - [05/Jun/2024 09:56:19] "GET /member HTTP/1.1" 200 -
*****
*****UserName|Password*****
Name:admin Password=password1 authentication FAILED
127.0.0.1 - - [05/Jun/2024 09:56:40] "GET /member HTTP/1.1" 403 -
```

GET http://127.0.0.1:5000/member

Send

Params Authorization Headers (9) Body Scripts Settings

Cookies

Auth Type

Basic Auth

Username

admin

Password

password1

The authorization header will be automatically generated when you send the request. Learn more about [Basic Auth](#) authorization.

Body Cookies Headers (5) Test Results

Status: 403 FORBIDDEN Time: 10 ms Size: 214 B Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "message": "Authentication failed!"
3 }
```