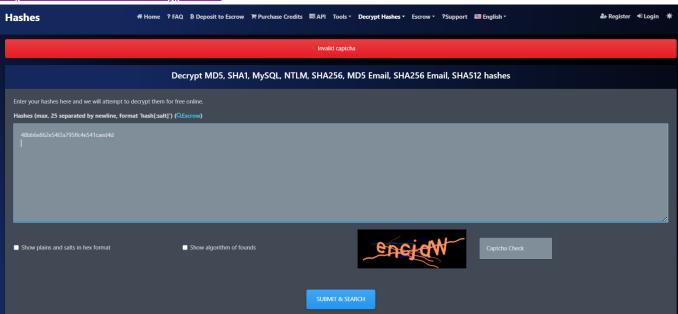
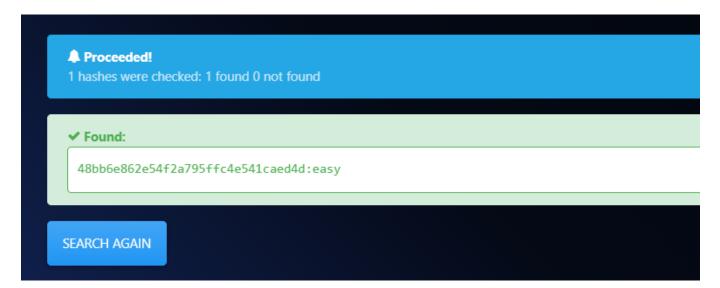
### https://tryhackme.com/room/crackthehash

# Level 1

For all the question in level 1 and first two in level 2 you can use the tool below. All you you have to do is just copy and pasting the hash there and you will get the original text.

https://hashes.com/en/decrypt/hash





Question 1: 48bb6e862e54f2a795ffc4e541caed4d

Answer: easy

Question 2: CBFDAC6008F9CAB4083784CBD1874F76618D2A97

Answer: password123

Question 3: 1C8BFE8F801D79745C4631D09FFF36C82AA37FC4CCE4FC946683D7B336B63032

Answer: letmein

Question 4: 2y\$12Dwt1BZj6pcyc3Dy1FWZ5ieeUznr71EeNkJkUlypTsgbX1H68wsRom

Answer: bleh

Question 5: 279412f945939ba78ce0758d3fd83daa

Answer: Eternity22

## Level 2

Question 1: F09EDCB1FCEFC6DFB23DC3505A882655FF77375ED8AA2D1C13F640FCCC2D0C85

Answer: paule

Question 2: 1DFECA0C002AE40B8619ECF94819CC1B

Answer: n63umy8lkf4i

For the last 2 questions we have a salted hash. A salted hash is a cryptographic hash function that is used in combination with a random value called a "salt" to enhance the security of password storage.

We can crack salted hashes with hashcat tool.

### **Question 3:**

Hash:\$6\$aReallyHardSalt\$6WKUTqzq.UQQmrm0p/T7MPpMbGNnzXPMAXi4bJMl9be.cfi3/qxlf.hsGpS41Bq MhSrHVXgMpdjS6xeKZAs02.

Salt: aReallyHardSalt

First we need to identify the hash type. On the website <a href="https://hashcat.net/wiki/doku.php?id=example\_hashes">https://hashcat.net/wiki/doku.php?id=example\_hashes</a> we look for the hash starting with \$6 and find that it is SHA12 crypt with mode 1800.

```
1800 sha512crypt $6$, SHA512 (Unix) <sup>2</sup> $6$52450745$k5ka2p8bFuSmoVT1tzOyyuaREkkKBcCNqoDKzYiJL9RaE8yN
```

Now, we can crack the hash.

We will run hashcat -m 1800 <hash file location> <wordlist file location> on terminal.

Create file named myhash.txt and paste the hash in this file. As a wordlist we will use rockyou.txt which is saved on THM attackbox by default and located in /usr/share/wordlists/rockyou.txt

Run: hashcat -m 1800 myhash.txt /usr/share/wordlists/rockyou.txt

```
$6$aReallyHardSalt$6WKUTqzq.UQQmrm0p/T7MPpMbGNnzXPMAXi4bJMl9be.cfi3/qxIf.hsGpS41
BqMhSrHVXgMpdjS6xeKZAs02.:waka99
Session..... hashcat
Status....: Cracked
Hash.Name.....: sha512crypt $6$, SHA512 (Unix)
Hash.Target.....: $6$aReallyHardSalt$6WKUTqzq.UQQmrm0p/T7MPpMbGNnzXPM...ZAs02.
Time.Started.....: Fri Sep 29 20:28:51 2023 (0 secs)
Time.Estimated...: Fri Sep 29 20:28:51 2023 (0 secs)
Guess.Base.....: File (rockyou2.txt)
Guess.Queue.....: 1/1 (100.00%)
Speed.#1.....: 168 H/s (1.07ms) @ Accel:8 Loops:1024 Thr:1 Vec:4 Recovered....: 1/1 (100.00%) Digests
Progress....: 1/1 (100.00%)
Rejected..... 0/1 (0.00%)
Restore.Point....: 0/1 (0.00%)
Restore.Sub.#1... Saltin A
                            plifier: 4-1 Iteration: 4096-5000
                   waka99 -> waka99
Candidates.#1....
```

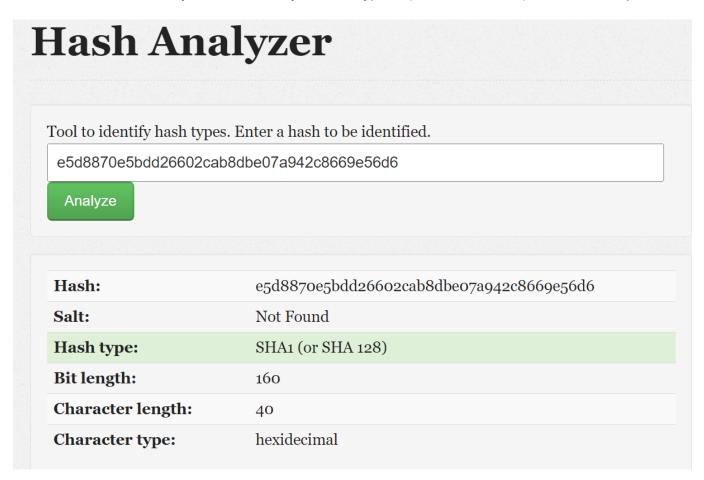
Answer: waka99

### Question 4:

Hash: e5d8870e5bdd26602cab8dbe07a942c8669e56d6

Salt: tryhackme

We can also use hash analyzer tool to identify the hash type: <a href="https://www.tunnelsup.com/hash-analyzer/">https://www.tunnelsup.com/hash-analyzer/</a>



100	SHAT
110	sha1(\$pass.\$salt)
120	sha1(\$salt,\$pass)

And after copying our hash to another file named myhash2.txt, we run the command hashcat -m 110 myhash2.txt /usr/share/wordlists/rockyou.txt as before.

Answer: hashcat -m 110 myhash2.txt /usr/share/wordlists/rockyou.txt