Ex. No.: 1 **Date:** 30 .08 . 2024

CAPTURE FLAGS-ENCRYPTION CRYPTO 101

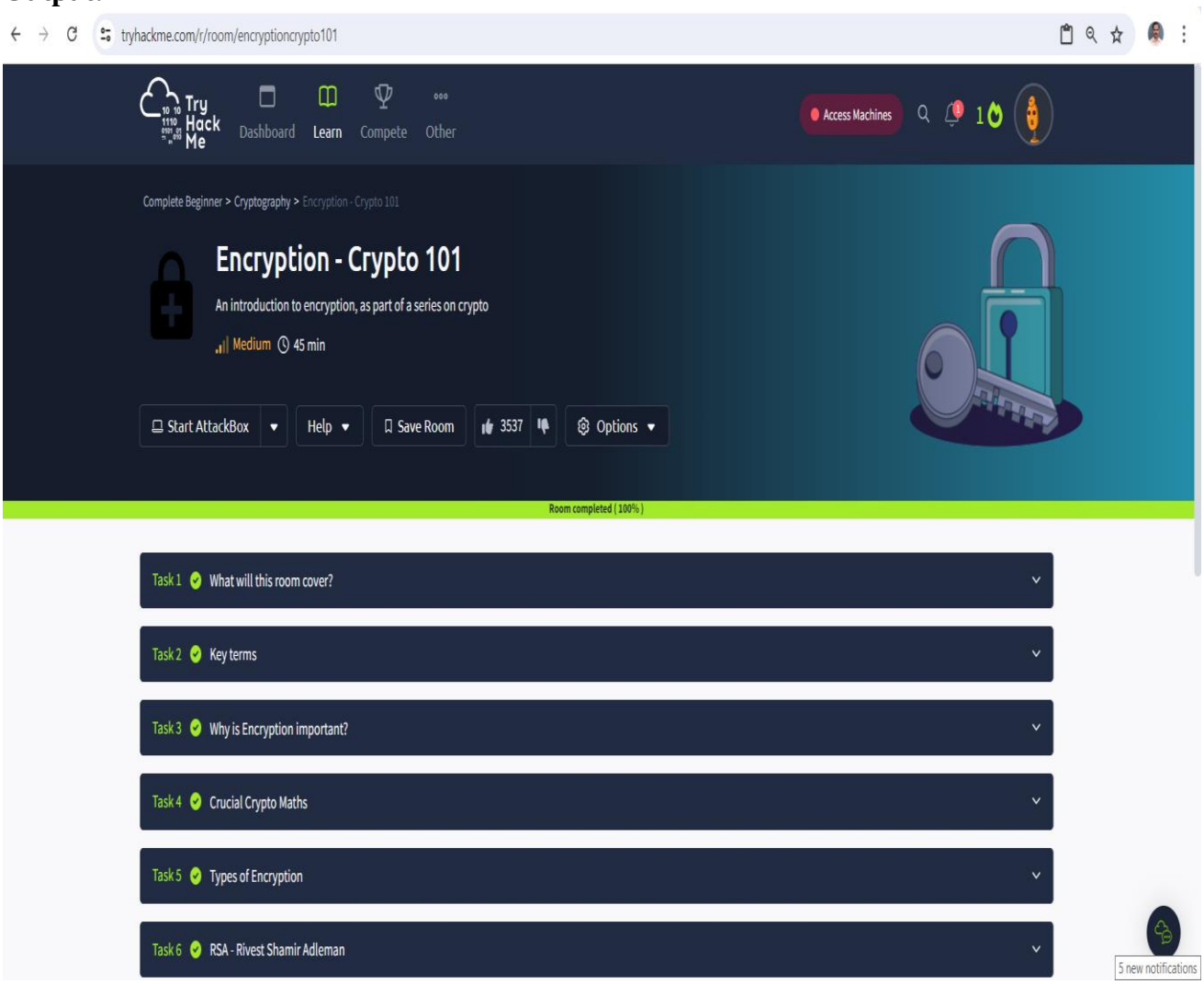
Aim:

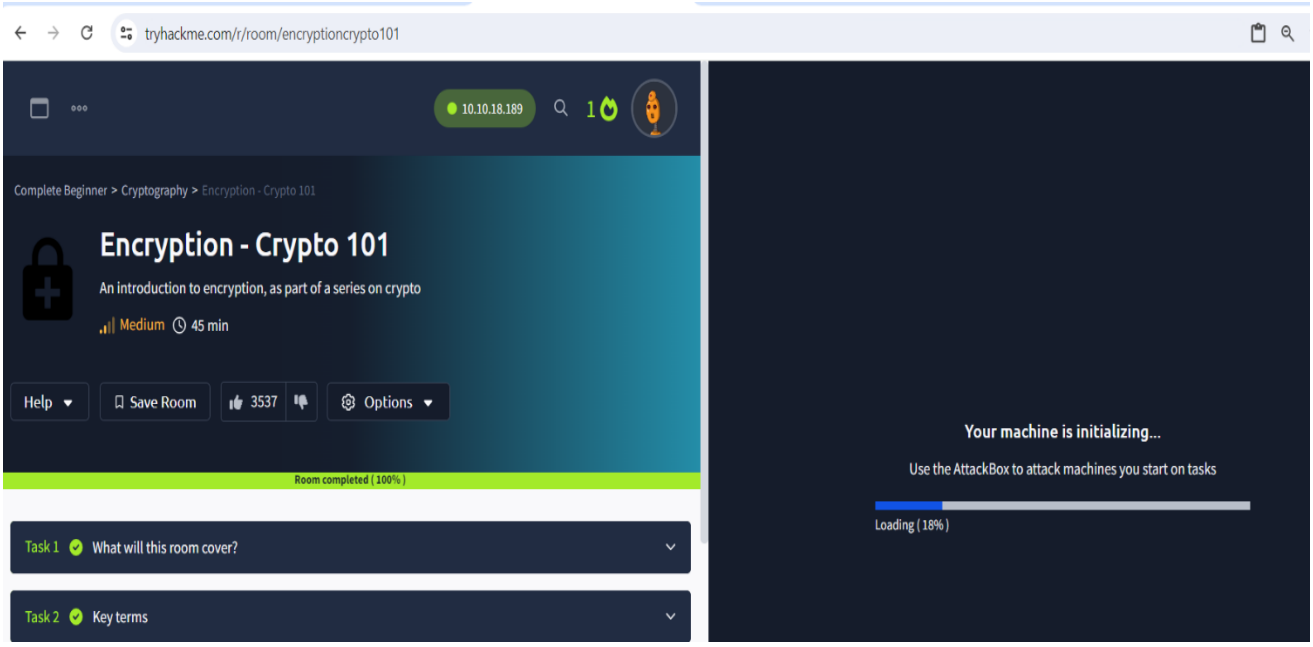
To capture the various flags in Encryption Crypto 101 in TryHackMe platform.

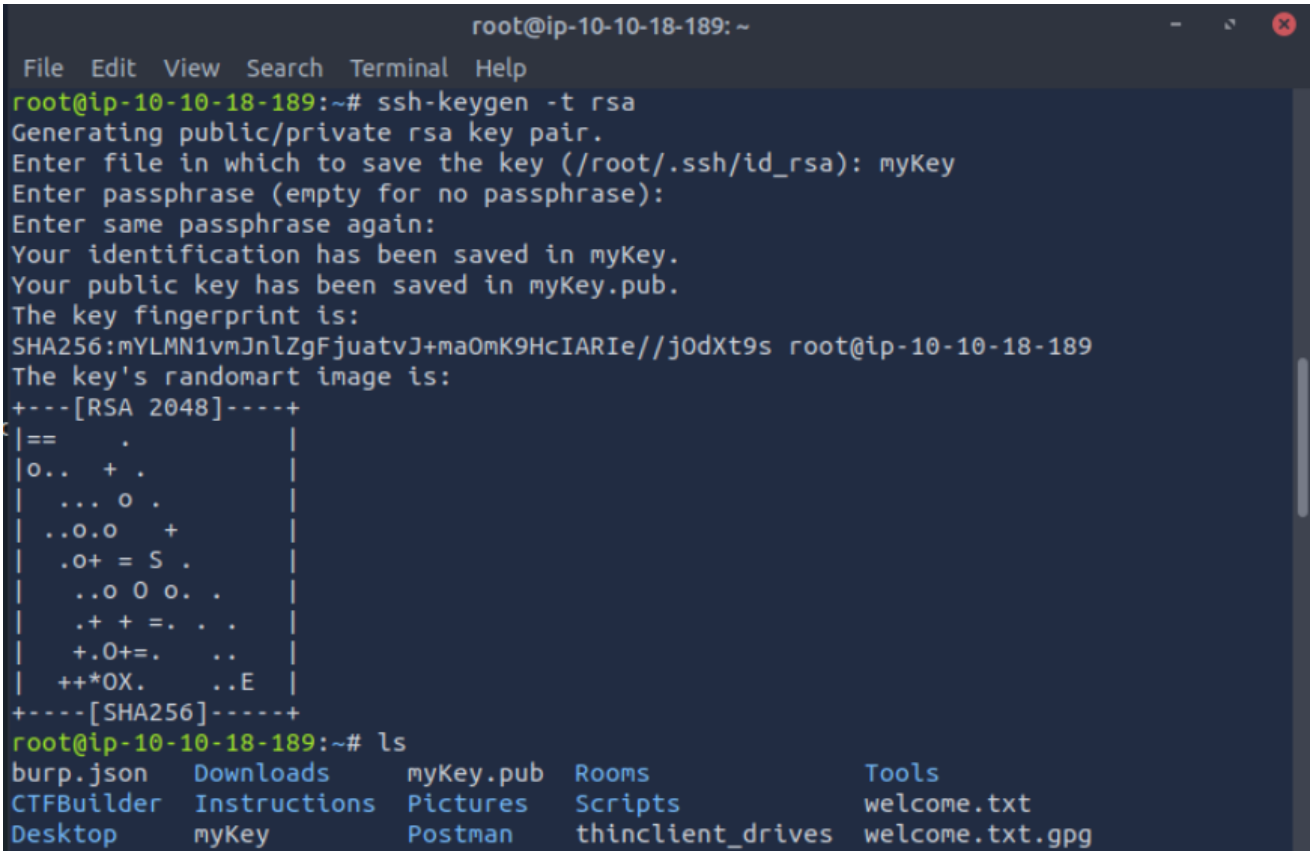
Algorithm:

1. Access the Encryption Crypto 101 lab in TryHackMe platform using the link below-https://tryhackme.com/r/room/encryptioncrypto101
2. Click Start AttackBox to run the instance of Kali Linux distribution.
3. Solve the crypto math used in RSA.
4. Find out who issued the HTTPS Certificate to tryhackme.com
5. Perform SSH Authentication by generating public and private key pair using ssh-keygen
6. Perform decryption of the gpg encrypted file and find out the secret word.

Output:


tryhackme.com/r/room/encryptioncrypto101
Try Hack Me
Dashboard
Learn
Compete
Other
Access Machines
Complete Beginner > Cryptography > Encryption - Crypto 101
Encryption - Crypto 101
An introduction to encryption, as part of a series on crypto
Medium
45 min
Start AttackBox
Help
Save Room
3537
Options
Room completed (100%)
Task 1 What will this room cover?
Task 2 Key terms
Task 3 Why is Encryption important?
Task 4 Crucial Crypto Maths
Task 5 Types of Encryption
Task 6 RSA - Rivest Shamir Adleman
5 new notifications





root@ip-10-10-18-189:~# gpg --import tryhackme.key
gpg: /root/.gnupg/trustdb.gpg: trustdb created
gpg: key FFA4B5252BAEB2E6: public key "TryHackMe (Example Key)" imported
gpg: key FFA4B5252BAEB2E6: secret key imported
gpg: Total number processed: 1

```
gpg:               imported: 1
gpg:       secret keys read: 1
gpg:   secret keys imported: 1

root@ip-10-10-18-189:~# gpg message.gpg

gpg: WARNING: no command supplied.  Trying to guess what you mean ...
gpg: encrypted with 1024-bit RSA key, ID 2A0A5FDC5081B1C5, created 2020-06-30
      "TryHackMe (Example Key)"

gpg: WARNING: no command supplied.  Trying to guess what you mean ...
gpg: encrypted with 1024-bit RSA key, ID 2A0A5FDC5081B1C5, created 2020-06-30
      "TryHackMe (Example Key)"
```

Result:

Thus, the various flags have been captured in Encryption Crypto 101 in TryHackMe platform.