CAPTURE FLAGS-ENCRYPTION CRYPTO 101

EXP.NO: 3

AIM:

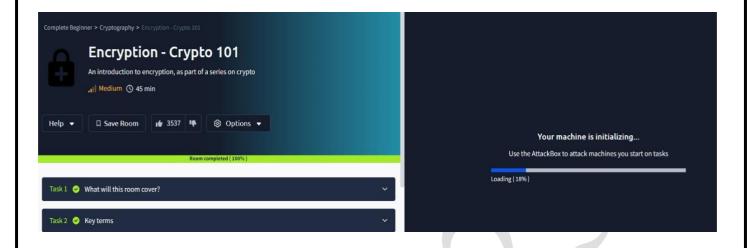
To capture the various flags in Encryption Crypto 101 in TryHackMe platform.

ALGORITHM:

- 1. Access the Passive reconnaissance 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:





```
root@ip-10-10-18-189: ~
File Edit View Search Terminal Help
root@ip-10-10-18-189:~# ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa): myKey
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in myKey.
Your public key has been saved in myKey.pub.
The key fingerprint is:
SHA256:mYLMN1vmJnlZgFjuatvJ+ma0mK9HcIARIe//j0dXt9s root@ip-10-10-18-189
The key's randomart image is:
+---[RSA 2048]----+
===
0..
  ..0.0
   .0+ = S .
    ..000. .
   +.0+=.
   ++*0X.
+----[SHA256]----
root@ip-10-10-18-189:~# ls
burp.json Downloads
                                                        Tools
                         myKey.pub Rooms
CTFBuilder Instructions Pictures
                                    Scripts
                                                       welcome.txt
Desktop myKey
                         Postman
                                    thinclient_drives welcome.txt.gpg
```

