Assignment: Day 4

Question 1:
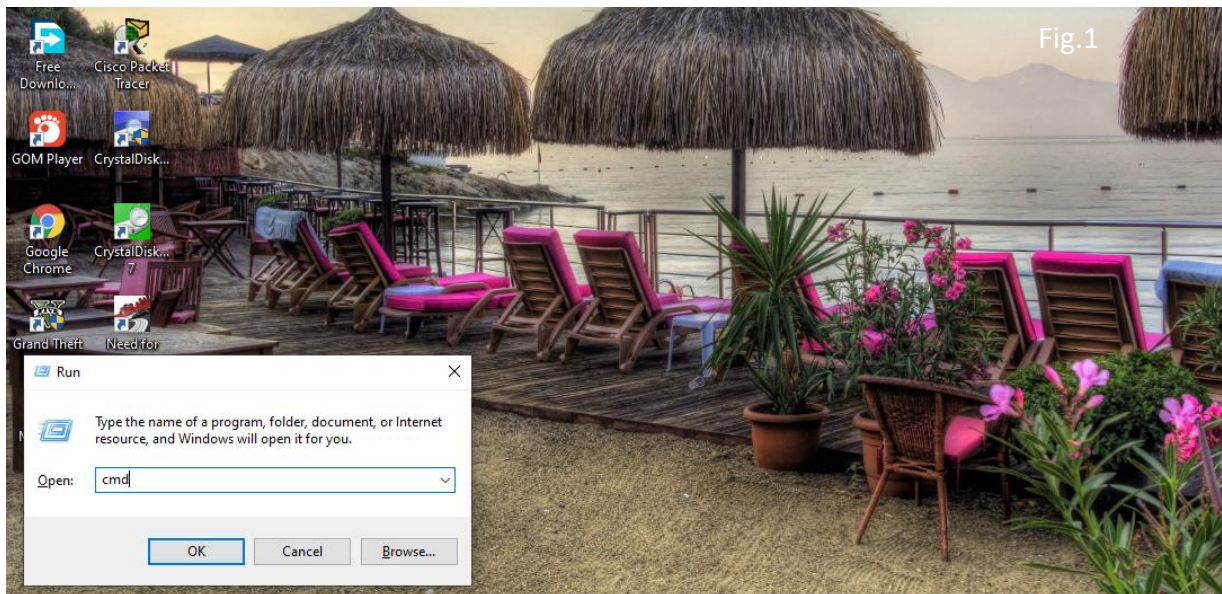
Find out the mail servers of the following domain:

www.Ibm.com

www.Wipro.com

Answer:

Step1: open Run by pressing windows key + R (fig.1)

Step2: type cmd to open command prompt (fig.1)

Step3: type nslookup command (fig.2)

Step4: now type set type=mx it shows mail xchanger (fig.2)

Step5: type the domain (ibm.com) (fig.2)


```
C:\Windows\system32\cmd.exe - nslookup
Microsoft Windows [Version 10.0.18362.1016]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\jay>nslookup
Default Server:  UnKnown
Address:  192.168.43.1

> set type=mx
> ibm.com
Server:  UnKnown
Address:  192.168.43.1

Non-authoritative answer:
ibm.com MX preference = 5, mail exchanger = mx0a-001b2d01.pphosted.com
ibm.com MX preference = 5, mail exchanger = mx0b-001b2d01.pphosted.com
>
>
> exit

C:\Users\jay>nslookup
Default Server:  UnKnown
Address:  192.168.43.1

> set type=mx
> wipro.com
Server:  UnKnown
Address:  192.168.43.1

Non-authoritative answer:
wipro.com       MX preference = 0, mail exchanger = wipro-com.mail.protection.outlook.com

wipro.com       nameserver = ns3.webindia.com
wipro.com       nameserver = ns2.webindia.com
wipro.com       nameserver = ns1.webindia.com
>
```

Question2:

Find the location, where these email servers are hosted.

Answer:

Step1:

Step2:   same steps of question 1

Step3:

Step4: type set type=mx

Step5: type ibm.com

Step6: Open google chrome

Step7: search for IP Location Finder

Step8: Copy mail xchanger and paste it in find the location

Address 1:

Address 2:

Question3:

Scan and find out the port number open 203.163.246.23

Answer:

For this question we have use nmap tool of kali Linux

Step1: open terminal

Step2: type command nmap -Pn -p1-65535 203.168.246.23

  (this command helps to find port number of above ip address)

: Found all 1000 ports as filtered of above ip address

Question4:

Install Nessus in a VM and scan your laptop/desktop for CVE

Answer:

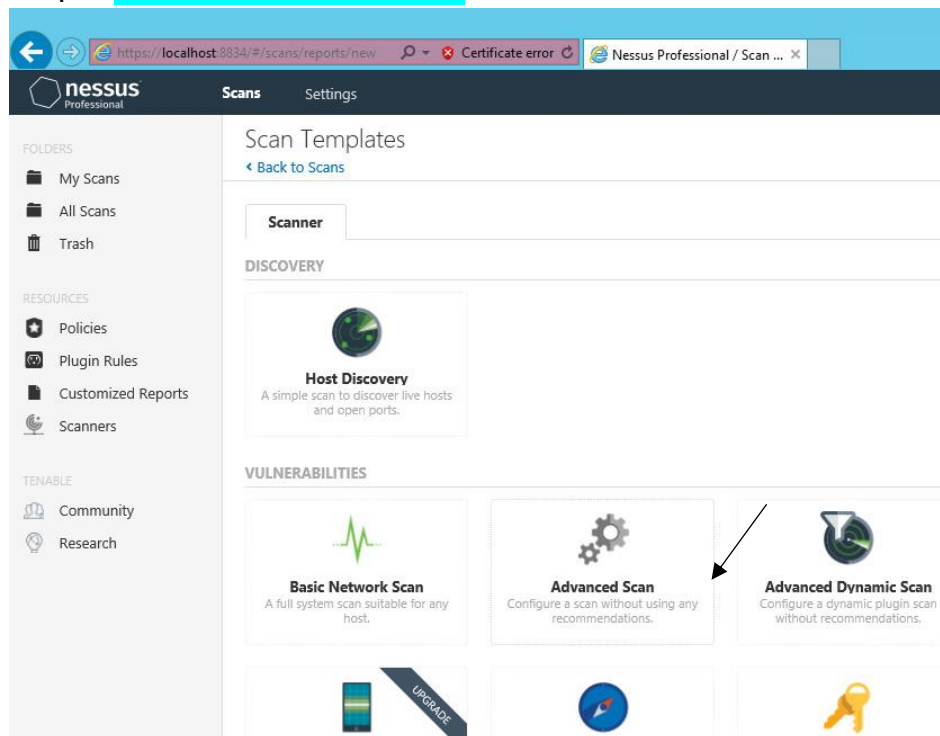Step1: Open PenTester in VMware workstation

Step2: Install Google Chrome

Step3: Install Nessus

Step4: Create a new scan

Step5: click on Advanced Scan

Step6: on Setting tab fill the domain and ip of the computer

Step7: click on credentials tab and select windows

Step8: <mark>fill the credentials</mark> and launch