

Question 1:

Find out the mail servers of the following domain:

ibm.com

wipro.com

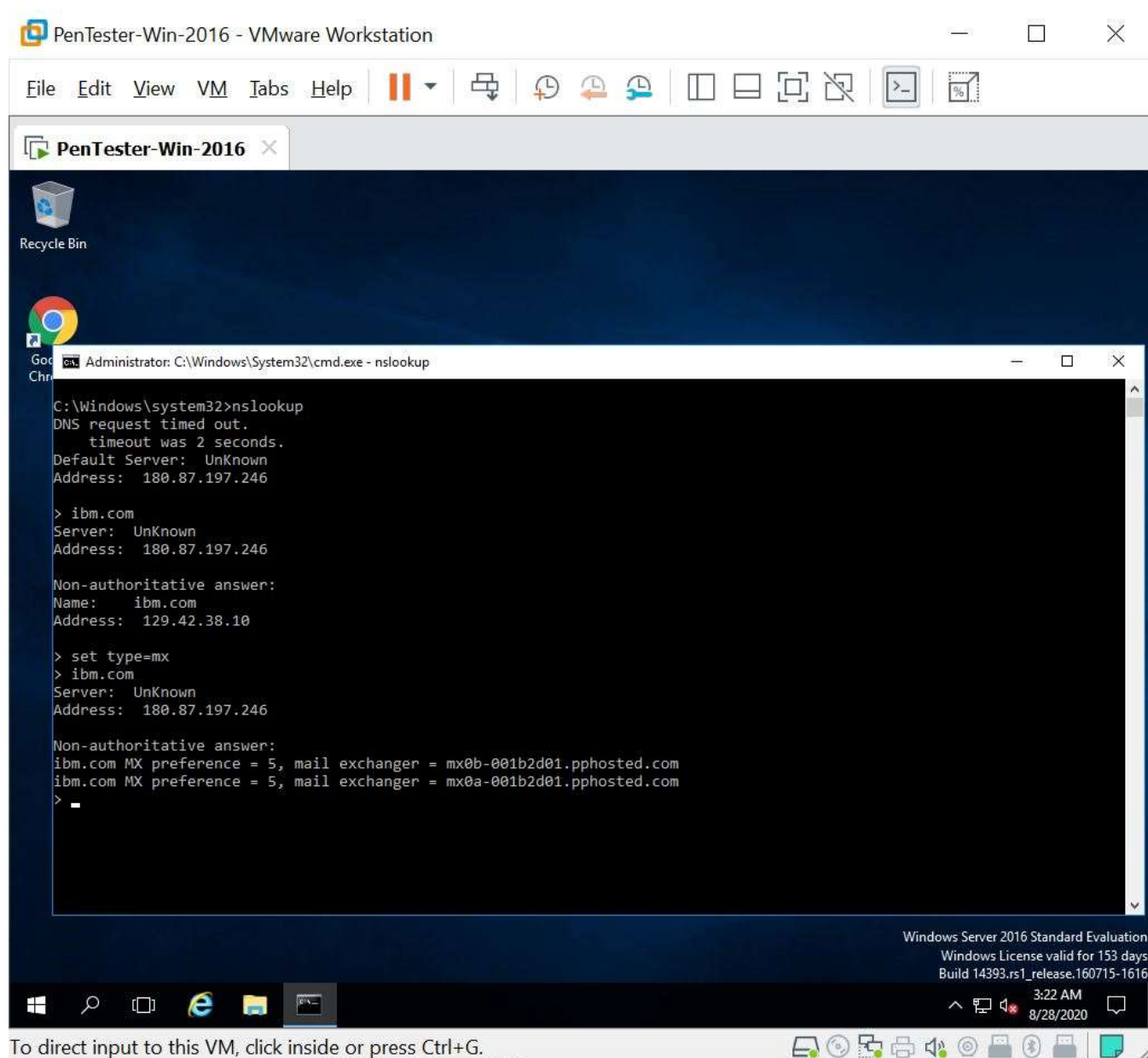
First open the cmd

Then type the command **nslookup**

After that type in the domain name

After that **set type=mx** for knowing the mail server of that particular domain

And then type the address of that particular domain.



```
PenTester-Win-2016 - VMware Workstation
File Edit View VM Tabs Help
PenTester-Win-2016 x
Recycle Bin
Google Chrome
Administrator: C:\Windows\System32\cmd.exe - nslookup
C:\Windows\system32>nslookup
DNS request timed out.
    timeout was 2 seconds.
Default Server:  UnKnown
Address:  180.87.197.246

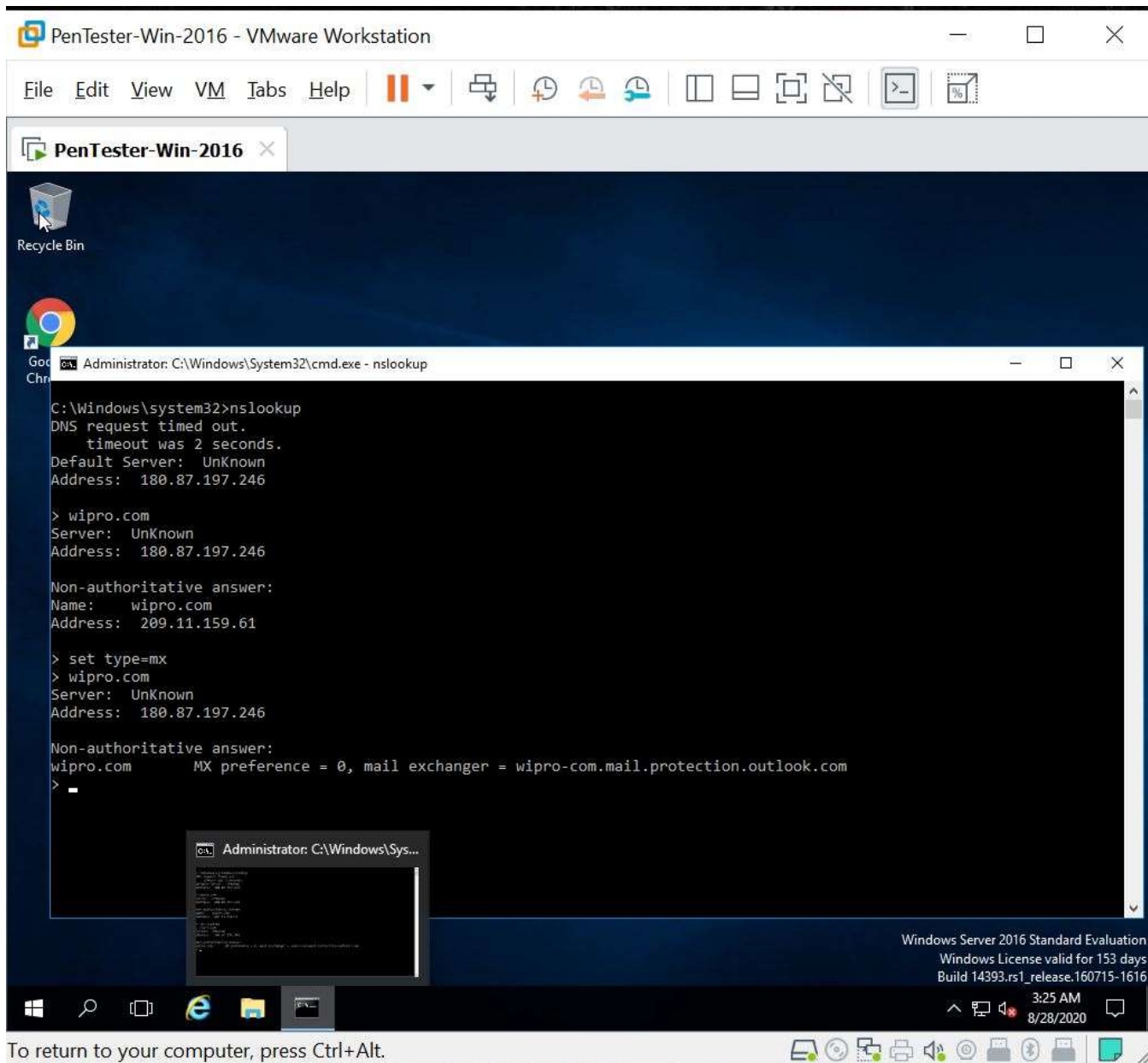
> ibm.com
Server:  UnKnown
Address:  180.87.197.246

Non-authoritative answer:
Name:    ibm.com
Address: 129.42.38.10

> set type=mx
> ibm.com
Server:  UnKnown
Address:  180.87.197.246

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

Windows Server 2016 Standard Evaluation
Windows License valid for 153 days
Build 14393.rs1_release.160715-1616
3:22 AM
8/28/2020
To direct input to this VM, click inside or press Ctrl+G.
```



Question 2:

Find the locations, where these email servers are hosted.

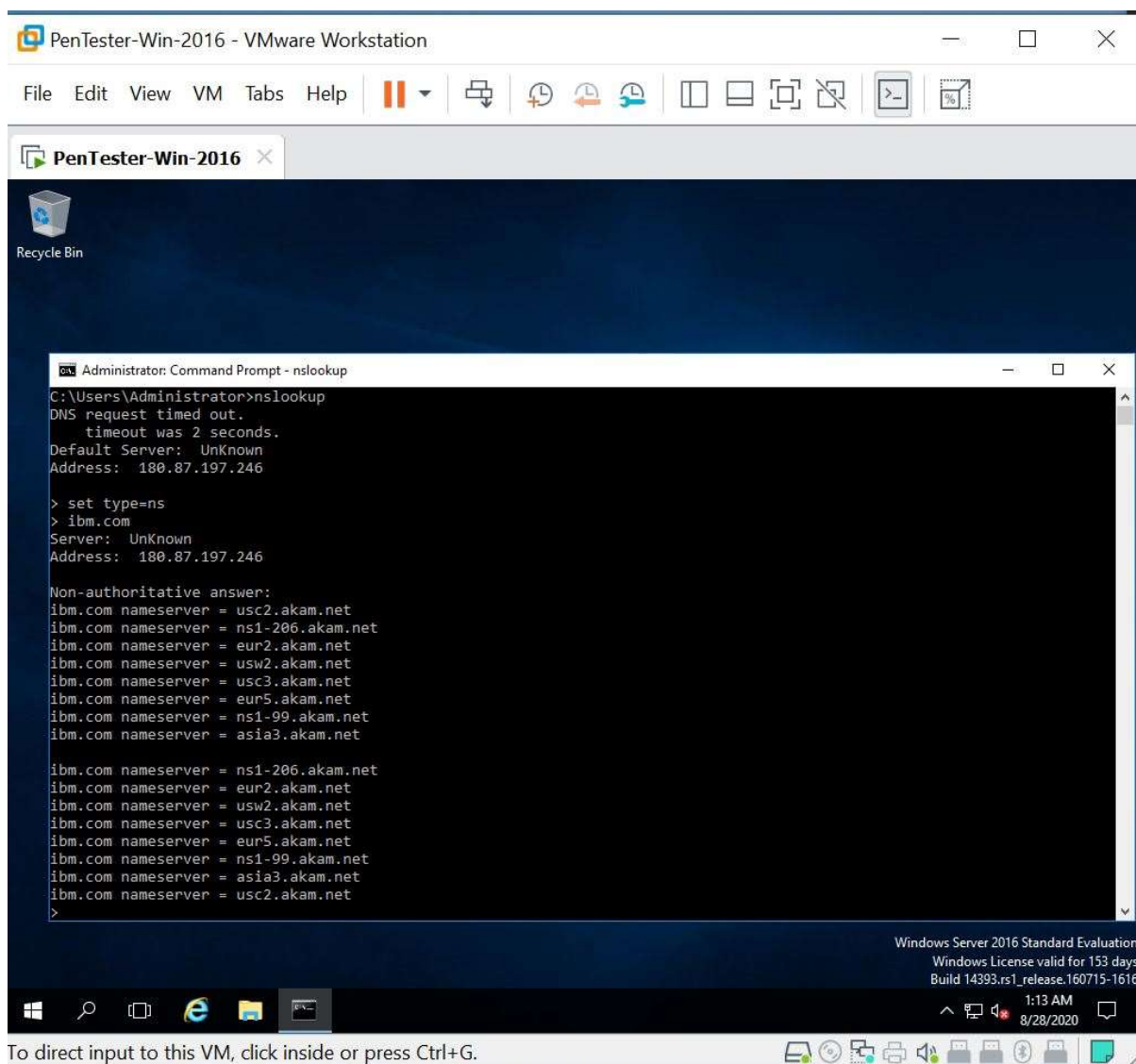
First open the cmd

Then type the command **nslookup**

After that type in the domain name

After that **set type=ns** for knowing the location where these email servers are hosted

And then type the address of that email server



```
Administrator: Command Prompt - nslookup
C:\Users\Administrator>nslookup
DNS request timed out.
    timeout was 2 seconds.
Default Server:  UnKnown
Address:  180.87.197.246

> set type=ns
> ibm.com
Server:  UnKnown
Address:  180.87.197.246

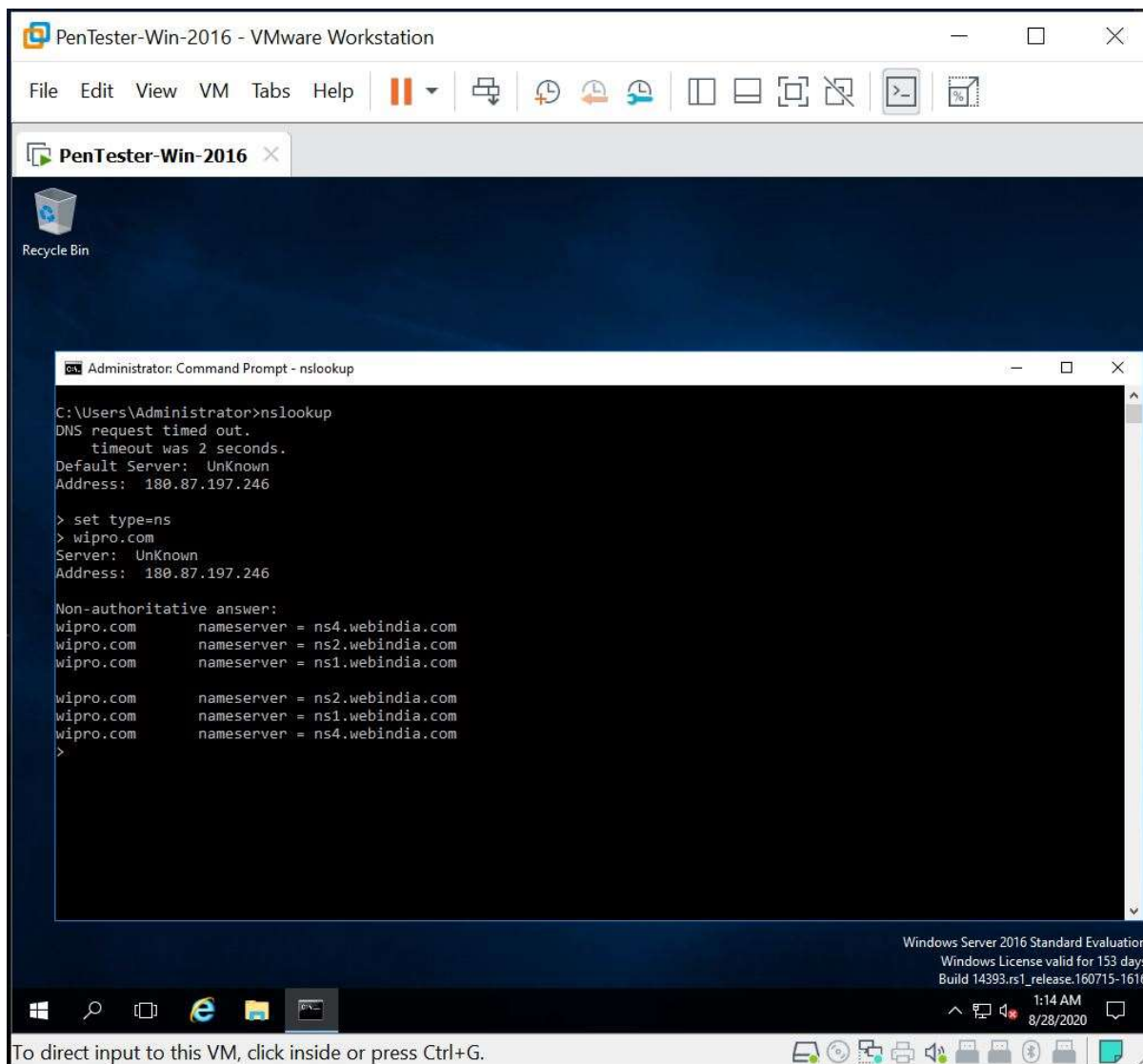
Non-authoritative answer:
ibm.com nameserver = usc2.akam.net
ibm.com nameserver = ns1-206.akam.net
ibm.com nameserver = eur2.akam.net
ibm.com nameserver = usw2.akam.net
ibm.com nameserver = usc3.akam.net
ibm.com nameserver = eur5.akam.net
ibm.com nameserver = ns1-99.akam.net
ibm.com nameserver = asia3.akam.net

ibm.com nameserver = ns1-206.akam.net
ibm.com nameserver = eur2.akam.net
ibm.com nameserver = usw2.akam.net
ibm.com nameserver = usc3.akam.net
ibm.com nameserver = eur5.akam.net
ibm.com nameserver = ns1-99.akam.net
ibm.com nameserver = asia3.akam.net
ibm.com nameserver = usc2.akam.net
>
```

Windows Server 2016 Standard Evaluation
Windows License valid for 153 days
Build 14393.rs1_release.160715-1616

1:13 AM
8/28/2020

To direct input to this VM, click inside or press Ctrl+G.



Question 3:

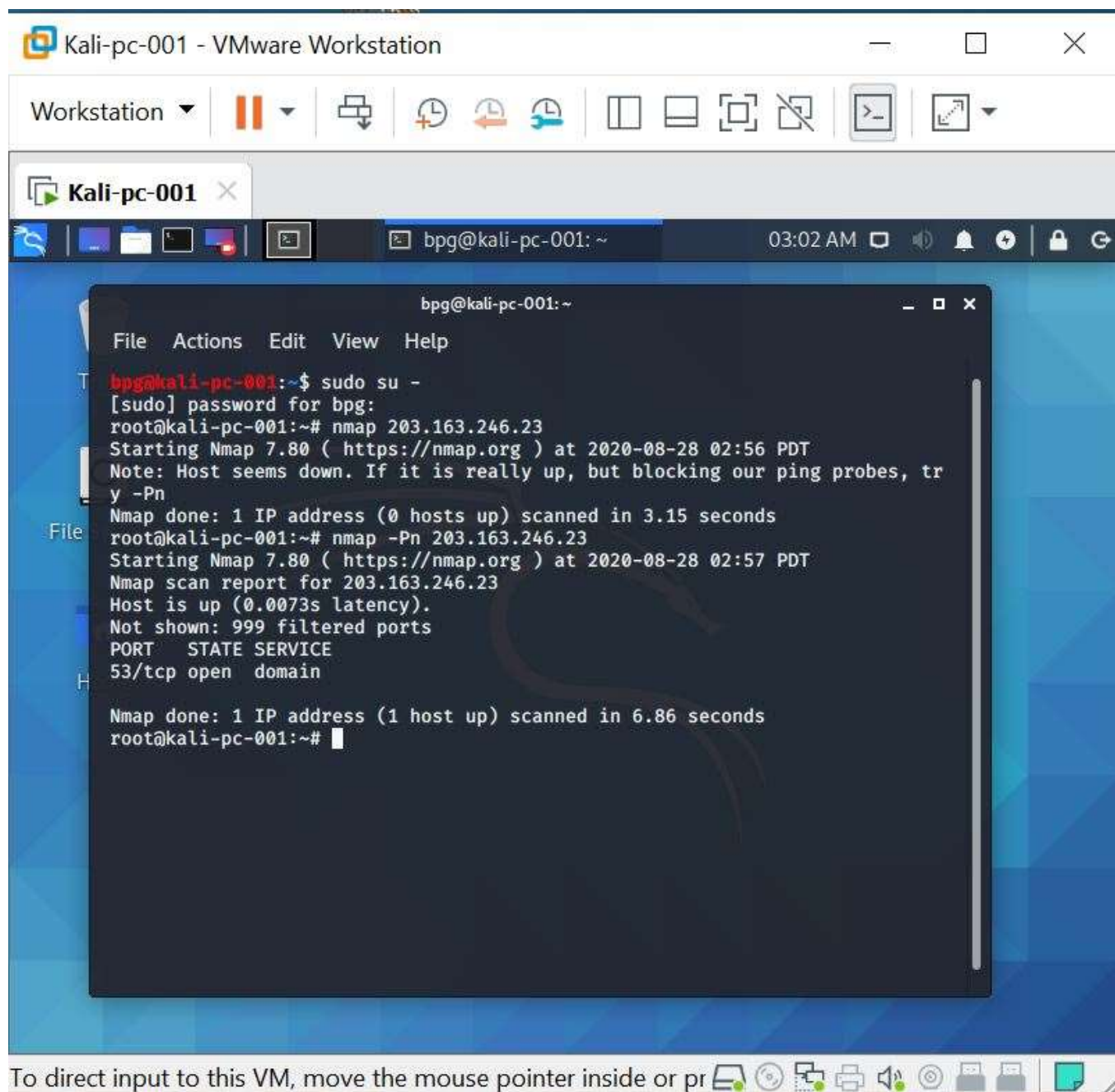
Scan and find out port numbers open 203.163.246.23

First become the super user by using the command `$sudo su -`

For knowing the open ports on the given ip use the command `$nmap -Pn ipaddress`

Here \$nmap -Pn 203.163.246.23

The open port on the given ip address is tcp port 53



Question 4:

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

I am Unable to install or open Nessus

