Assignment :

Q 1: Find out the mail servers of the following domain: Ibm.com & Wipro.com

```
C:\Windows\system32>nslookup
Default Server:  UnKnown
Address:  192.168.182.2

> set type=mx ibm.com
Unrecognized command: set type=mx ibm.com
> set type=mx
> ibm.com
Server:  UnKnown
Address:  192.168.182.2

DNS request timed out.
    timeout was 2 seconds.
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
> wipro.com
Server:  UnKnown
Address:  192.168.182.2

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

Q 2: Find the locations, where these email servers are hosted

1: Ibm.com

You've entered a domain name. We've found an IP address from the domain name you've entered. Your translated IP address is 148.163.158.5

Geolocation data from IP2Location (Product: DB6, updated on 2020-8-1)

Domain Name	Country	Region	City
mx0b-001b2d01.pphosted.com	United States of America	California	Sunnyvale

ISP	Organization	Latitude	Longitude
Proofpoint Inc.	Not Available	37.4012	-122.0075

You've entered a domain name. We've found an IP address from the domain name you've entered. Your translated IP address is 148.163.156.1

Geolocation data from IP2Location (Product: DB6, updated on 2020-8-1)

Domain Name	Country	Region	City
mx0a-001b2d01.pphosted.com	United States of America	California	Sunnyvale

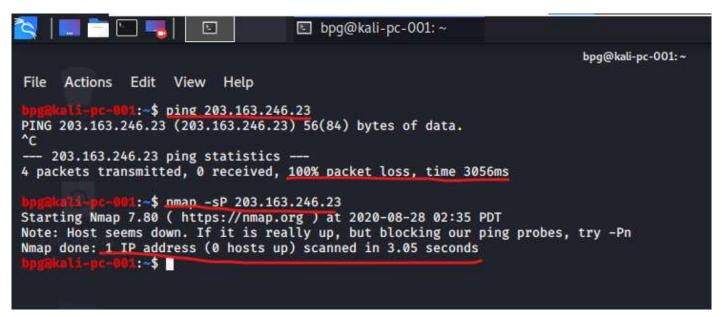| ISP	Organization	Latitude	Longitude
Proofpoint Inc.	Not Available	37.4012	-122.0075

2: Wipro.com

You've entered a domain name. We've found an IP address from the domain name you've entered. Your translated IP address is **104.47.125.36**

Geolocation data from IP2Location (Product: DB6, updated on 2020-8-1)

Domain Name	Country	Region	City
wipro-com.mail.protection.outlook.com	Singapore	Singapore	Singapore

ISP	Organization	Latitude	Longitude
Microsoft Corporation	Not Available	1.2897	103.8501

Q 3: Scan and find out port numbers open **203.163.246.23**

```
bpg@kali-pc-001:~$ ping 203.163.246.23
PING 203.163.246.23 (203.163.246.23) 56(84) bytes of data.
^C
--- 203.163.246.23 ping statistics ---
4 packets transmitted, 0 received, 100% packet loss, time 3056ms

bpg@kali-pc-001:~$ nmap -sP 203.163.246.23
Starting Nmap 7.80 ( https://nmap.org ) at 2020-08-28 02:35 PDT
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.05 seconds
bpg@kali-pc-001:~$
```

IP Address 203.163.246.23 is offline….