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Class   : IUP CS B – Lab SKJ

Activity 5.1 – Lab SKJ

1. Run nslookup to obtain the IP address of the web server for the Indian Institute of Technology in Bombay, India: www.iitb.ac.in. What is the IP address of www.iitb.ac.in

```
Non-authoritative answer:
Name:    www.iitb.ac.in
Address:  103.21.124.10
```

Answer : 103.21.124.10

2. What is the IP address of the DNS server that provided the answer to your nslookup command in question 1 above?

```
C:\Users\themi>nslookup www.iitb.ac.in
Server:  UnKnown
Address:  10.13.10.13
```

Answer : 10.13.10.13

3. Did the answer to your nslookup command in question 1 above come from an authoritative or non-authoritative server?

```
Non-authoritative answer:
Name:    www.iitb.ac.in
Address:  103.21.124.10
```

Answer : non-authoritative answer

4. Use the nslookup command to determine the name of the authoritative name server for the iit.ac.in domain. What is that name? (If there are more than one authoritative servers, what is the name of the first authoritative server returned by nslookup)? If you had to find the IP address of that authoritative name server, how would you do so?

```
C:\Users\themi>nslookup -type=NS www.iitb.ac.in
Server:  UnKnown
Address:  10.13.10.13

iitb.ac.in
        primary name server = dns1.iitb.ac.in
        responsible mail addr = postmaster.iitb.ac.in
        serial  = 2013071001
        refresh = 16384 (4 hours 33 mins 4 secs)
        retry   = 2048 (34 mins 8 secs)
        expire  = 1048576 (12 days 3 hours 16 mins 16 secs)
        default TTL = 3960 (1 hour 6 mins)
```

Answer : dns.iitb.ac.in, (In this case, I didn't get output to authoritative servers and the ip address) but if yes, we can access the ip address by nslookup [IPAddress]