***Lab Work 2 : DNS***

Q1) Run nslookup to obtain the IP address of a Web server in Asia. What is the IP address of that server?

Ans. Ip address : 192.185.149.242

A screenshot of a computer

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Q2) Run nslookup to determine the authoritative DNS servers for a university in Europe?

Ans. vu.edu nameserver = ns1.vanderbilt.edu

vu.edu nameserver = ns2.vanderbilt.edu

vu.edu nameserver = ns4.vanderbilt.edu

vu.edu nameserver = ns3.vanderbilt.edu

ns1.vanderbilt.edu internet address = 129.59.9.138

ns2.vanderbilt.edu internet address = 129.59.9.139

ns3.vanderbilt.edu internet address = 13.248.152.172

ns4.vanderbilt.edu internet address = 76.223.17.161

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Q3) Run nslookup so that one of the DNS servers obtained in Question 2 is queried for the mail servers for Yahoo! mail. What is its IP address?

Ans. IP address : 75.2.77.85

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2. ipconfig

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Q4) Locate the DNS query and response messages. Are then sent over UDP or TCP?

Ans. User Datagram Protocol (UDP)

Q5) What is the destination port for the DNS query message? What is the source port of DNS response message?

Ans. Destination port : 53A screenshot of a computer

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Source port : 53 A screen shot of a computer

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Q6) . To what IP address is the DNS query message sent? Use ipconfig to determine the IP address of your local DNS server. Are these two IP addresses the same?

Ans. Yes same .A computer screen with text on it

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Q7) Examine the DNS query message. What “Type” of DNS query is it? Does the query message contain any “answers”?

Ans.