DC&CN Lab Practice

By: Nihar Singla: 220381  
CSE - 2

**Answer the following FIVE questions:**

Q.1 Locate the DNS query and DNS response messages in the packet listing window. Are they sent over UDP or TCP?

Ans- They are sent over UDP.

Q.2 What is the destination port for the DNS query message? What is the source port of DNS response message?

Ans- The destination port for the DNS query message is 53 and the source port of DNS response message is 53.

Q.3 To what IP address is the DNS query messages sent? Next, see the IP address of your local DNS server in ipconfig /all window, are these two IP addresses the same?

Ans- IP address is the DNS query messages sent is 10.1.0.235. Yes, the IP address of local DNS server and IP address in DNS query messages is same.

Q.4 Examine the DNS query message in the packet listing and packet header windows. What “Type” of DNS query is it? Does the query message contain any “answers”?

Ans- It’s a type A Standard Query and it doesn’t contain any answers.

Q.5 Examine the DNS response message in the packet listing and packet header windows. How many “answers” are provided? What do each of these answers contain?

Ans- There were 2 answers containing information about the name of the host, the type of address, class, the TTL, the data length and the IP address.

