Network Assignment 2 Manual Mark

RBLCAM001

Question 3:

There is a flag field in the tcp header that contains a flag indicating that this is a SYN packet

Question 4:

The sequence number of the SYN packet plus the length of that packet.

Question 8:

No, because the maximum allowed amount of each packet does not exceed the minimum allocated space on the server side.

Question 9:

There were no retransmitted segments in the trace. This is verified by no repeated Sequence numbers in the packets sent to the server.

Question 15:

Looking at the flag field in the IP header section, you can see that the flag for fragmentation has not been set. Therefore, we can determine that this datagram has not been given the command to be fragmented.

Question 16:

The identification value and the checksum of the datagram in the IP section always change in each frame. The TTL also changes but not every frame.

Question 17:

The header and body length stay the same, as well as the destination and source IP addresses. This is because the same datagram is being sent to the same end destination address no matter how many hops it takes to get there. The size and destination are always the same even if the datagram ends up at different stops along the way.

Question 18:

They are sequential and follow it each by 1.

Question 19:

ICMP (1).

Question 20:

No, a few frames will have sequential ID’s but then the order will change at random.

Question 21:

No, however they are all less than 255.