COMPUTER NETWORK LAB

LAB 3B

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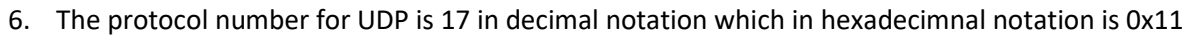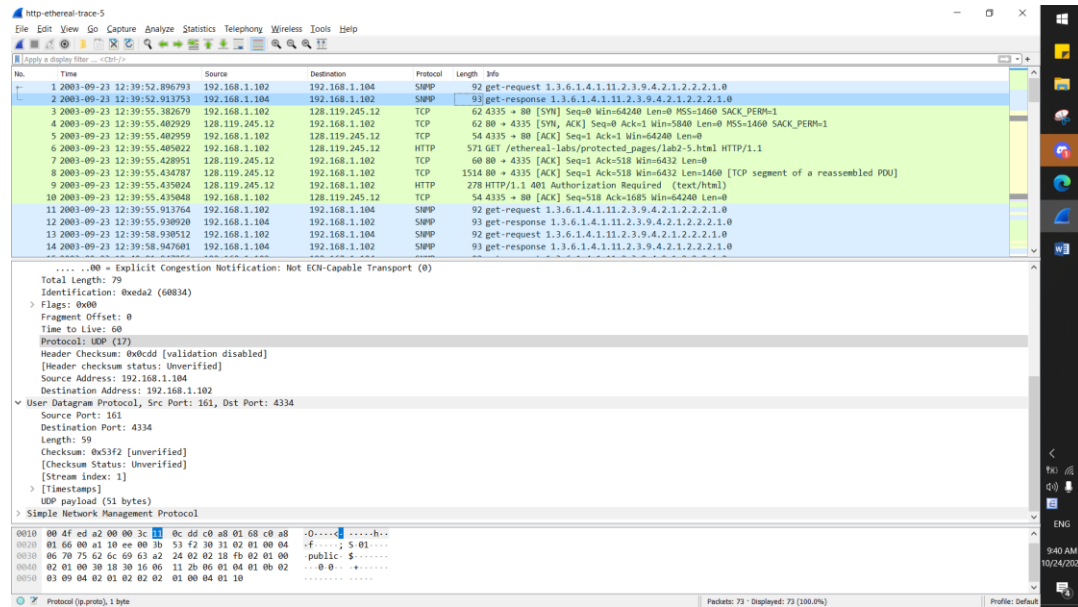
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1. The header only contain 4 fields: the source port, destination port, length, checksum
2. 2 bytes
3. The value in the length field, in the example is 58, is the sum of the 8 header bytes and the remaining data bytes encapsulated in the packet
4. The maximum number of bytes that can be in the payload is 2^16 – the bytes already used by the header field (8). Therefore the maximum payload is 65535 – 8 = 65527 bytes
5. The largest possible source port number is 2^16 = 65535

6. The protocol number for UDP is 17 in decimal notation which in hexadecimnal notation is 0x11

7. The relationship between port numbers is that the source port on the send message is the destination port of the receive message. The destination port for the send message is also the source port for the receive message