Project 3
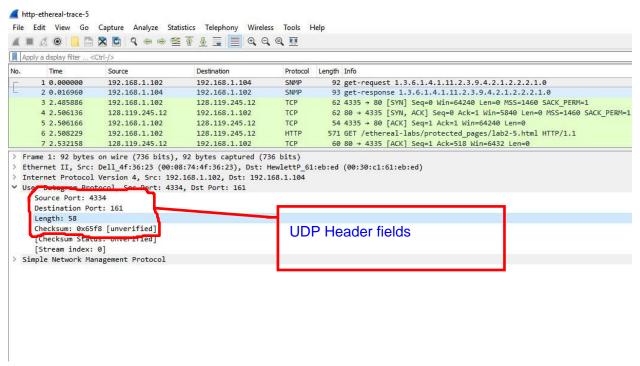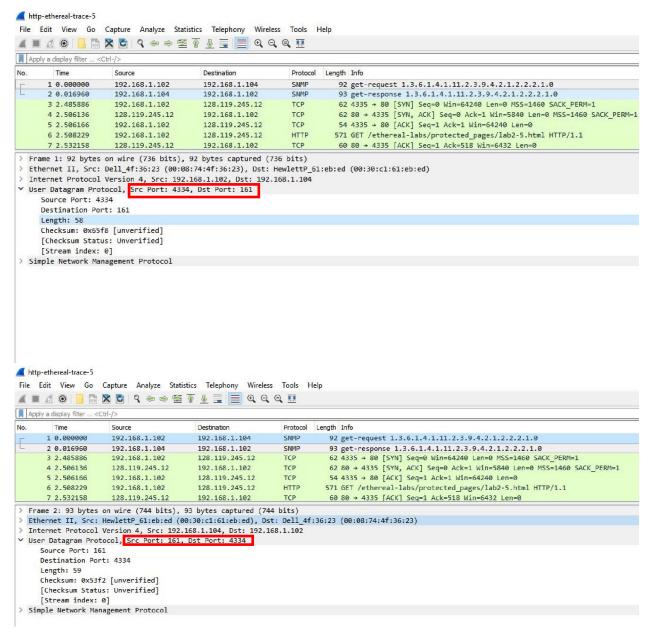

1. The UDP header contains 4 fields: source port, destination port, length, and checksum.
2. The length of each UDP header field is 2 bytes
3. The length field specifies the number of bytes in the UDP segment (header plus data). So the length is 58(50(data length in bytes)+8(header fields length in bytes))
4. The maximum number of bytes that can be included in a UDP payload is (2^{16} – 1) - 8. This gives 65535 – 8 = 65527 bytes. 8 is the UDP header field length.
5. The largest possible source port number is 2^{16} – 1 = 65535
6. The IP protocol number for UDP is 0x11 hex, which is 17 in decimal value.

7. The source port of the UDP packet sent by the host is the same as the destination port of the reply packet, and the destination port of the UDP packet sent by the host is the same as the source port of the reply packet