Sample Lab Report

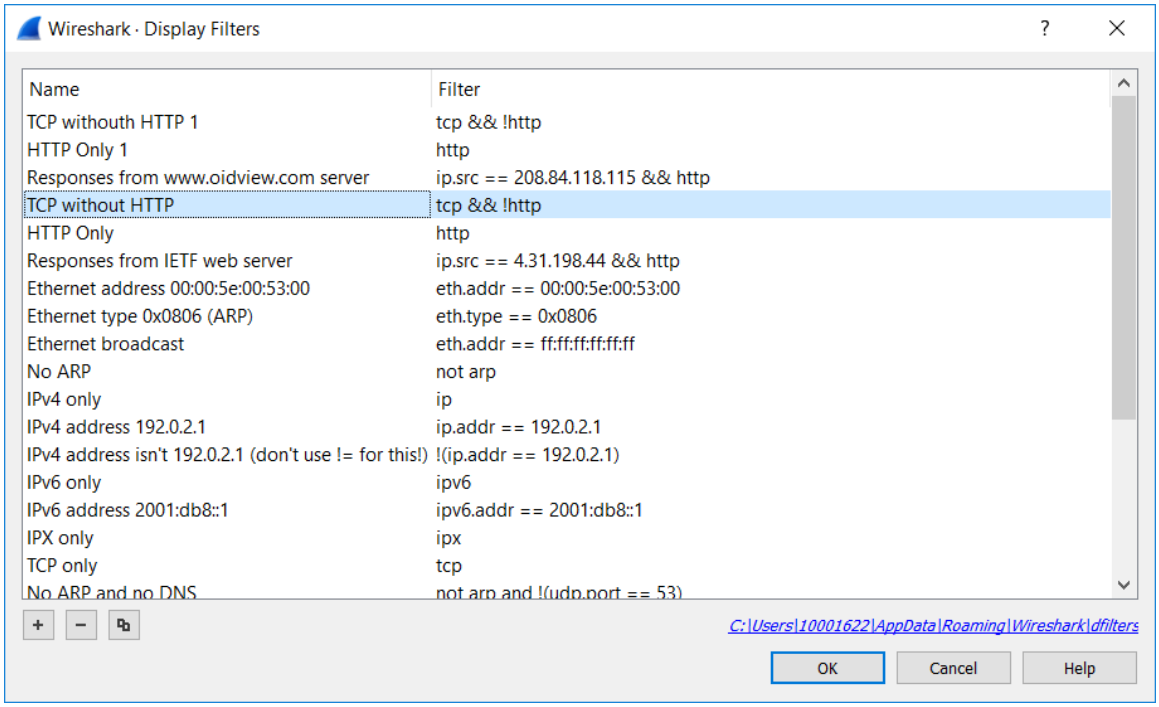
Lab Exercise 4: Filtering Packets

(The answers to all questions are screen shots similar to the ones shown below.)

Question 1, part A.

Create a new *display* filter called “TCP without HTTP” that only displays TCP traffic which does NOT contain HTTP…

Confirm the value of the regular expression in the filter string – any logical equivalent is OK, parenthesis not required. Wireshark allows “and” as a substitute for “&&”, and ‘not” as a substitute for “!”.



(Wireshark v3.0)

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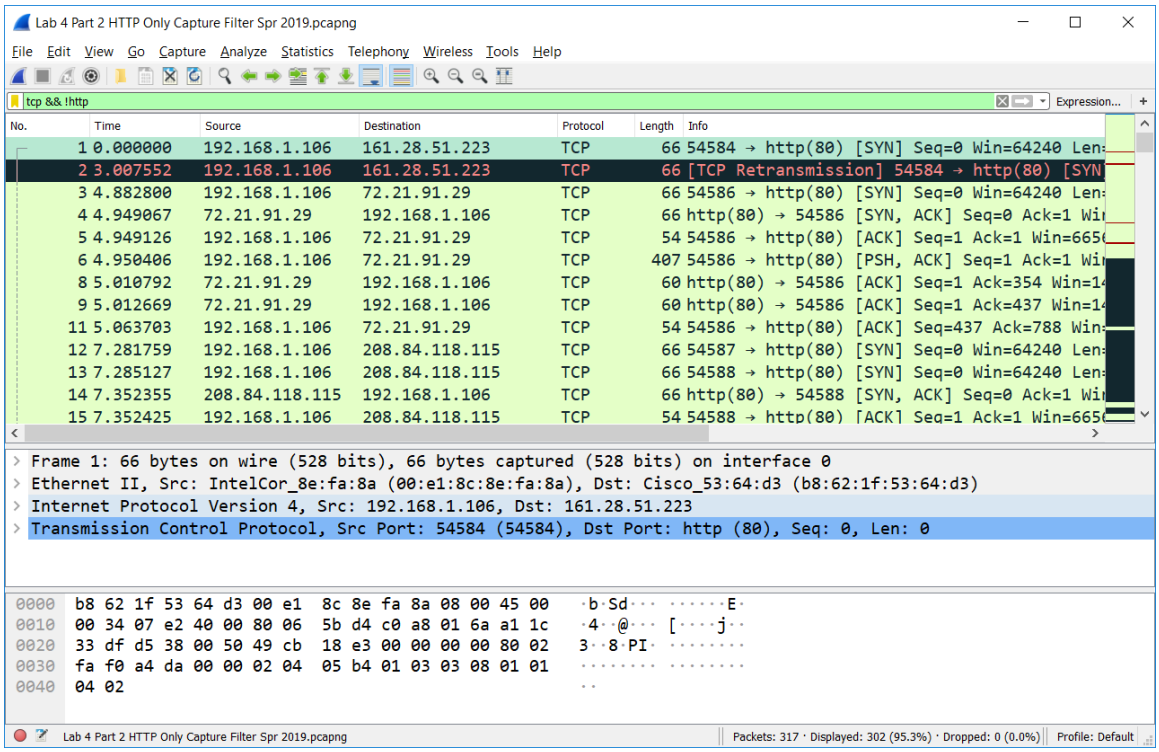
Question 1, part B.

Verify the Protocol field is "TCP" in all cases.



(Wireshark v3.0)

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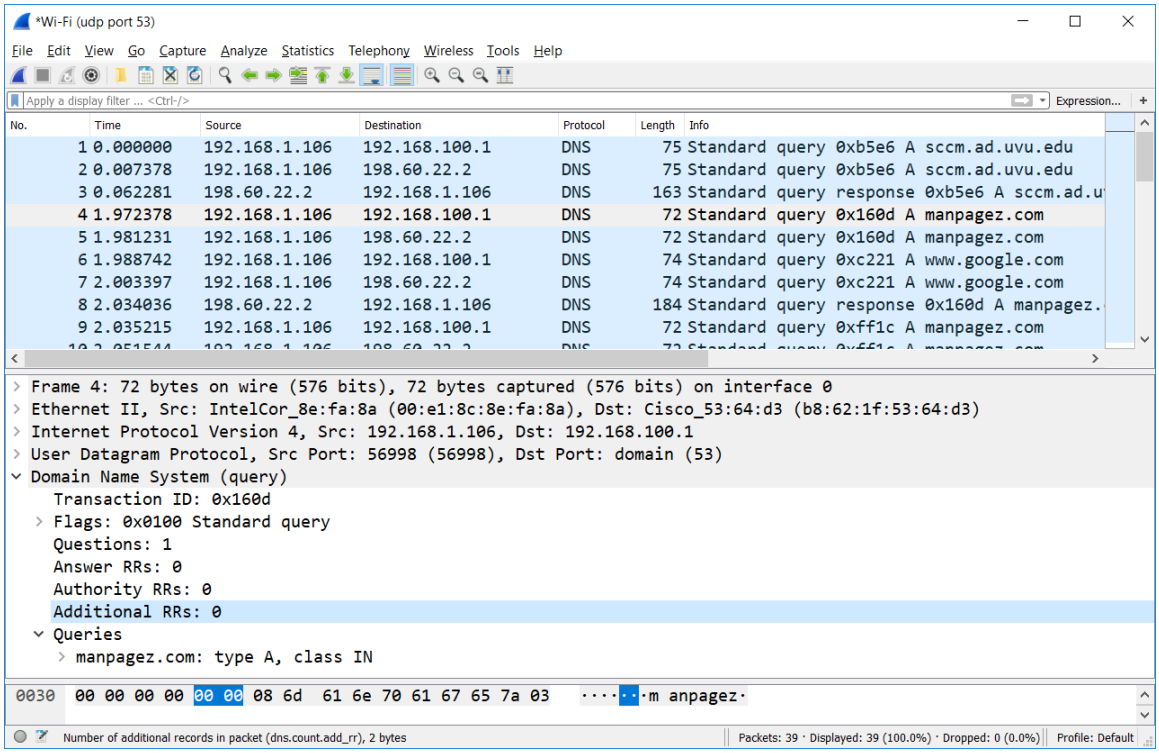
Question 2.

Using the techniques explained in the **Capture Filters** section above, create a *capture* filter that will collect only DNS messages…

Verify that a domain name is visible in the Packet Details pane, as highlighted below. A display filter similar to `dns.qry.name == manpagez.com` *may be needed in some cases.*



(Wireshark v3.0)

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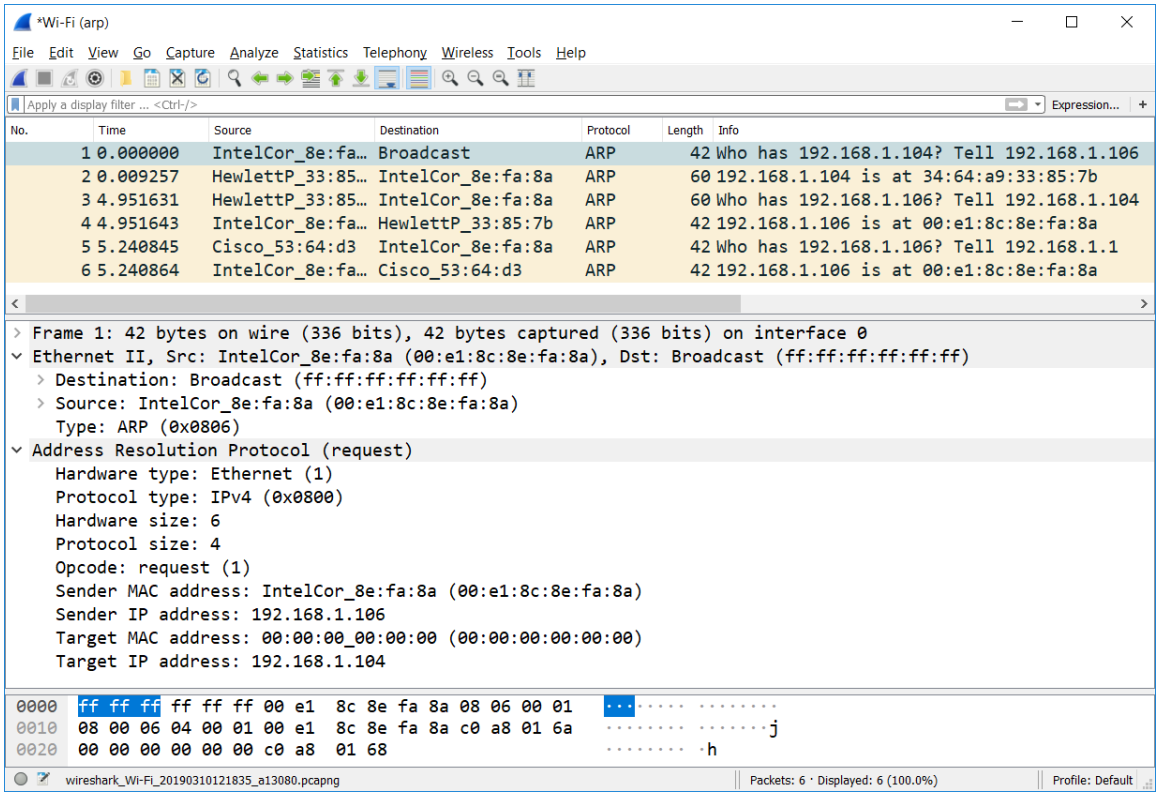
Question 3.

Build an ARP capture filter and save it…

Verify that an ARP request is visible in Packet Details pane, as shown below.



(Wireshark 3.0)

Lab Test Log

3/25/17 Used Wireshark v2.2.5 on Windows 7

10/28/18 Used Wireshark v2.6.4 on Windows 10

3/9/19 Used Wireshark v3.0.0 on Windows 10

10/26/19 Used Wireshark v3.0.5 on Windows 10