HW₂

- 1. List 3 different protocols that appear in the protocol column in the unfiltered packetlisting window. Please take a screenshot and explain your answer briefly.
- 2. What is an ARP protocol? How do you find out ARP packets by using Wireshark? (Hint: typing "arp" in display filter) Please take a screenshot and explain your answer briefly.
- 3. What is an ICMP protocol? How do you find out ICMP packets by using Wireshark? (Hint: you can create ICMP packets manually by typing "ping 8.8.8." in command line) Please take a screenshot and explain your answer briefly.
- 4. What is an DNS protocol? How do you find out DNS packets by using Wireshark? Please take a screenshot and explain your answer briefly.
- 5. While Wireshark is running, enter the URL: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html and show the HTTP packets information . (Hint: typing "http" in display filter)Please take a screenshot and explain your answer briefly.
- 6. Reffered to question 5, how long did it take when the HTTP GET message was sent until the HTTP OK reply was received? Please take a screenshot and explain your answer briefly.
- 7. Assume that you are encountering a DDoS attack, how do you get the number of packets incoming to your computer per minute? Please take a screenshot and explain your answer briefly.
- 8. What is TLS protocol? Why can't we see the content of data under TLS protocol?
- 9. Why can't Wireshark show MAC address of remote hosts?
- 10. What's the difference between "Capture filter" and "Display filter" in Wireshark?