Question 1 (2 points)
Identify a frame with a destination broadcast address in the lab2.pcap file. What is the source ethernet address of this packet?
 • 52:54:00:A4:43:29

Question 2 (2 points)
Identify a frame with a destination broadcast address in the lab2.pcap file. Use table above to identify the interface that transmitted this packet that was captured.
 • Win10 (ws1) ethernet

Question 3 (2 points)
In the frame following the frame from question 2, what were the source and destination ethernet addresses.
 • Source: 52:54:00:e9:55:ca
 • Destination: 52:54:00:a4:43:29

Question 4 (3 points)
Identify a frame with a destination broadcast address in the lab2.pcap file. What is the ethernet TYPE or LENGTH code? How do you know it is a TYPE or LENGTH? Yes, wireshark will tell you, but how does wireshark know? What is the implication of it it being type or length?
 • ARP 0x00000806

Question 5 (4 points)
Identify a frame with a source IP address of 10.100.2.5 in the lab2.pcap file. What is the source and destination Ethernet address of this frame? Which system and interface (from table above) sent this frame when it was captured? Was this system/interface the same as the system/interface that made the ping reply (Linux eth0)?
 • Source: 52:54:00:e9:55:ca - monitor eth1
 • Destination: 52:54:00:a4:43:29 - Win10 (ws1) ethernet
 • It was not Linux eth0

Question 6 (3 points)
Identify a frame with a destination ethernet address of 01:80:c2:00:00:00. (The top frame summary might identify this as "Spanning Tree for Bridges". What type of destination address is this? How do you know what type it is?
 • IEEE 802.3 Ethernet Length: 38
 • 802.3 has a length of two octaves

Question 7 (3 points)
Identify a frame with a destination ethernet address of 01:80:c2:00:00:00. What is the ethernet TYPE or LENGTH code. How do you know it is a TYPE or LENGTH? Yes, wireshark will tell you, but how does wireshark know? What is the implication of it it being type or length?
 • IEEE 802.3 Ethernet Length: 38
 • 802.3 has a length of two octaves

Question 8 (2 points)
Include in your report the ascii export all expanded output of the frame from Question 1.

Question 9 (2 points)
Include in your report the ascii export all expanded output of the frame from Question 5.

Question 10 (2 points)
Include in your report the ascii export all expanded output of the frame from Question 6.