## Lab #9 - SY310 Traffic Analysis (Layer 5 – Application Layer)

Using the provided	ed layer5part1.pcap file in Wireshark, co	mplete the	follow	ing q	uestions.
Question 1: List the	e MAC address and IP address for:				
0	The client device:	:_	_::	:_	:
0	The DHCP Server:	:_	_::	:_	<b>:</b>
0	Local DNS Server:	:_	_::	:_	_:
0	Gateway Router:	:_	_::	:_	_:
<b>Question 2:</b> What is	s the network address (in CIDR notation)?				
<b>Question 3:</b> What is	s the client's hostname?				
<b>Question 4:</b> List all	of the URLs and associated webserver IP address that t	he client con	nected	to.	
<b>Question 5:</b> For each	h website list the frame numbers for the initial 3-way ha	ındshake.			
<b>Question 6:</b> What w no associated HTTP to	vas the URL for the first DNS lookup? What was the If traffic in the pcap?	address of t	he URI	.? Wh	y is there
Question 7: Which	site required HTTPS?				
Question 8: What sp	pecific article did the client read on the 3 <sup>rd</sup> website?				

Using the provided layer5part2.pcap file in Wireshark, complete the following questions.
Question 9: What is the physical medium for this capture?
<b>Question 10:</b> What channel was the SSID in frame 10875 transmitting on?
Question 11: List all the clients that received probe responses from SSID 'CMY'
Question 12: How many probe requests, response, and beacons were in this capture?
Question 13: What Access Points has the client 'd8:d1:cb:07:d1:c0' connected to in the past? List at least 5. What are the possible security aspects of this leaked information?
<b>EXTRA CREDIT:</b> Can you figure out what specific type of device sent the probe request in frame 9770?