**Assignment 1**

Part 1: Wireshark

1. Home
2. 192.168.0.109
3. 157.240.13.35 From the captured data this is the Destination of the HTTP request to “CONNECT” with the Server.
4. Because the embedded objects such as images maybe fetched from external links such as google.com etc.
5. Yes, it will show a different IP address for my machine, as it may be assigned a different IP address at a different location.
6. No, not necessarily, the values of the last octet may vary as our request may go to any server for [www.facebook.com](http://www.facebook.com) as it has multiple servers, so it may connect to any of those multiple servers but the first three will remain the same.
7. Source (My Machine): LiteonTe\_17:59:77 (30:52:cb:17:59:77)

Destination (Other Machine): Tp-LinkT\_97:6e:70 (90:f6:52:97:6e:70)

1. Source (Other Machine): Tp-LinkT\_97:6e:70 (90:f6:52:97:6e:70)

Destination (My Machine): LiteonTe\_17:59:77 (30:52:cb:17:59:77)

1. Source IP address (For response) 157.240.13.35

Destination IP address (For response) 192.168.0.109