# Lab 2 - Wireshark I

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| * This is an individual assignment, and worth 20 points. * The due date and time is 1:00 (Sec 01) / 5:30 (Sec 76) on Thursday, September 12 * Naming convention is as follows: homework, hypen, last name, first initial, and extension (e.g., Lab1-Outcome-ImG.docx). If you do not follow the convention, I will deduct 1. * Use “gen-googlemaps.pcap” (NOT gen-googleopen.pcap) for the assignment. |

1. What are the IP and MAC addresses of the router (gateway) to which the client forwards a packet?

- IP address: 192.168.0.106

- Mac address: 00:17:31:b0:30:23

1. What IP addresses are available to support the inquiries to maps.google.com? Which one was picked by the client?

- Available IP addresses: 74.125.19.147, 74.125.19.104, 74.125.19.105, 74.125.19.99, 74.125.19.106, 74.125.19.103

- Selected IP address:74.125.19.147

1. In the first TCP packet, what is the MAC address of the destination? 00:13:46:cc:a3:ea
2. What are the absoulte sequence and acknowledgement numbers of the ACK packet observed during the first three-way handshaking (use packet # 7)?

- Absoulte sequence number: 4228839243

- Absoulte acknowledgement number: 3100896923

1. What ports are used for the TCP communication (use packet #5)? List the ports that the client (source) and the server (dest) used.

- The port # (client used): 3012

- The port # (server used): 80