

## ***Hands-on Exercise Two Solution***

- a) [www.yahoo.com](http://www.yahoo.com); 216.109.117.106; 216.109.117.109; 216.109.117.110; 216.109.117.204; 216.109.117.206; 216.109.118.70; 216.109.118.76; 216.109.118.79 (only two are needed for the answer).
- b) 11 frames; Frames number: 7,8,10,11,12,14,16,17,19,20,22
- c) Yes it uses gzip, and it sets (writes) a cookie.
- d) The client is looking up the address of us.js2.yimg.com, so that it can get a javascript file from this server (see packet 31 to see what it is getting). This demonstrates that a web page can be assembled from components from a number of different servers.
- e) It is a new DNS because the common names are different.
- f) Since the hosts are the same for the two get statements, the client already knows the IP address when it goes to retrieve the second packet. Therefore it does not need another DNS request.
- g) The packets do not have to arrive in order. The TCP layer can use the sequence numbers to reassemble the packets in the proper order.
- h) Each “Get” is assigned to its own unique source port.