Install Wireshark (or Ethereal). Perform the following two experiments with Wireshark and report your observations.

**Experiment 1.**
1. Disable your Ethernet / Wireless Ethernet connection
2. Start Wireshark
3. Set Wireshark to capture 200 packets (all packets – do not use any filter)
4. Start capture
5. Turn on your Ethernet / wireless ethernet
6. Stop capture (say after 5 to 10 seconds)

**Experiment 2:**
1. Close all applications
2. Open your browser
3. Set default homepage to [http://www.cse.msstate.edu/~ramkumar/links.html](http://www.cse.msstate.edu/~ramkumar/links.html)
4. Close your browser
5. Restart capture in Wireshark (capture only TCP packets)
6. Start your browser.
7. Stop capture (after the default page is displayed)