

CS 149D
Spring 2006
Recitation, Feb. 20, 2006

Name _____

Objective: Test Internet Speeds for Sending and Receiving Data

You should complete the first part of this recitation in the lab today. For the second part, you will need to use your own internet connection (if you have one), use a friend's, or find some other location for testing the speed of internet connections.

This form is due in class on Wednesday after you've had a chance to complete activity 2.

Activity 1: a. Log on, bring up a browser, then use Google or another search engine to search for "test internet speed." List the first three items listed, including the "Sponsored Links."

Site 1: _____

Site 2: _____

Site 3: _____

b. Go to "www.Tech.MSN.com/SpeedTest" (your search may have found this site; if so you can click on the address. If not, you will need to type the address into the browser window. Conduct the internet speed test. It will ask you to enter your area code, so enter "757." Select "LAN/WAN" in the lab. When you repeat this test later on another machine, select the appropriate type of connection for that computer. Conduct the test twice, pausing in between for a minute or so. Record the two values here. If they differ significantly, guess at why that might be. If they do differ significantly, run the test a third time. On some of these tests you will get different numbers for upload (sending data) and download (receiving data). Record both numbers if you have them.

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

c. Go to "us.mcafee.com/toot/speedometer/default.sap". Repeat the "step b" activities from above.

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

d. Go to "home.cfl.rr.com/ea/Bandwidth.htm". Scroll down if you need to see a list of remote sites. Run the same speed tests as above for these sites:

Bluefield, WV (location 1)
Denver, CO (location 7)
United Kingdom (location 71)

Do the numbers differ significantly among these three sites? If so, conjecture why this might be. What effect might the other people in the room have on your numbers?

Bluefield, WV

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

Denver

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

The United Kingdom

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed);

Activity 2: a. On another computer, preferably with another type of connection (dial-up, DSL, or Cable Modem), repeat the same experiments and report the results here.

Site 1: _____

Site 2: _____

Site 3: _____

b. Go to "www.Tech.MSN.com/SpeedTest" and repeat the tests from above.

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

c. Go to "us.mcafee.com/toot/speedometer/default.sap". Repeat the "step b" activities from above.

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

d. Go to "home.cfl.rr.com/ea/Bandwidth.htm". Scroll down if you need to see a list of remote sites. Run the same speed tests as above for these sites:

Bluefield, WV (location 1)
Denver, CO (location 7)
United Kingdom (location 71)

Do the numbers differ significantly among these three sites? If so, conjecture why this might be. What effect might the other people in the room have on your numbers?

Bluefield, WV

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

Denver, CO

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed):

The United Kingdom

Speed 1: _____

Speed 2: _____

Speed 3: _____

Explanation (if needed);