For this lab I decided to look at the size of the stream where the server was sending the webpage and compare that to find what specific page the user was going to. I did this by first opening each page and capturing the connection in a .pcap so I would have something to compare to. Then I had a program that takes input of a .pcap file and compares it to all of the pages that were options. It does this by first finding the right key by filtering through the different key options to find the connection that is coming from port 443 and is at least 1,000 bytes long to make sure it is a payload that could be a website. Then write all the raw data sent in that stream to a file and save the size of that file. I do this for both .pcaps and compare the size of the files to each other. If they are within about 1000 bytes of each other than I can assume that was the page that the user went to.