## LAB REPORT 1

## **ECE 455**

## **ODU Honor pledge**

"I pledge to support the Honor System of Old Dominion University.

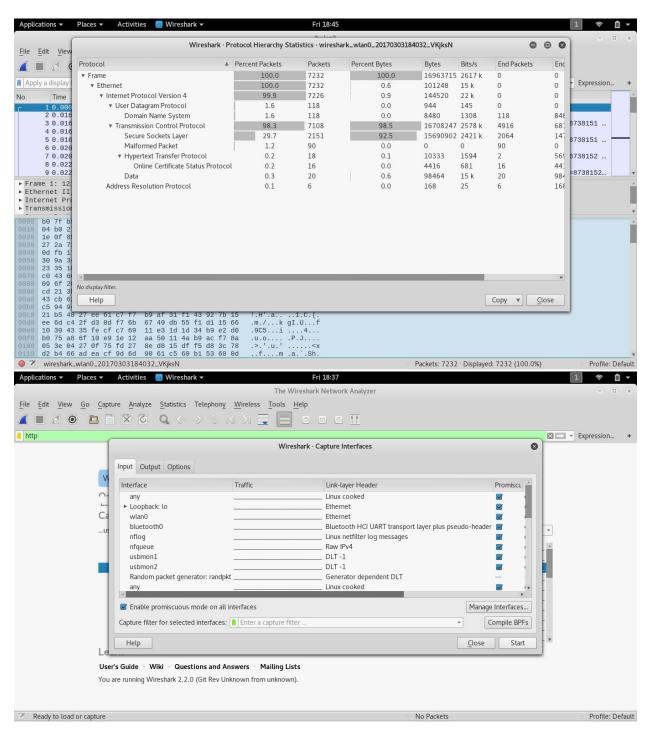
I will refrain from any form of academic dishonesty or deception, such as cheating or plagiarism. I am aware that as a member of the academic community it is my responsibility to turn in all suspected violation of the Honor Code. I will report to a hearing if summoned."

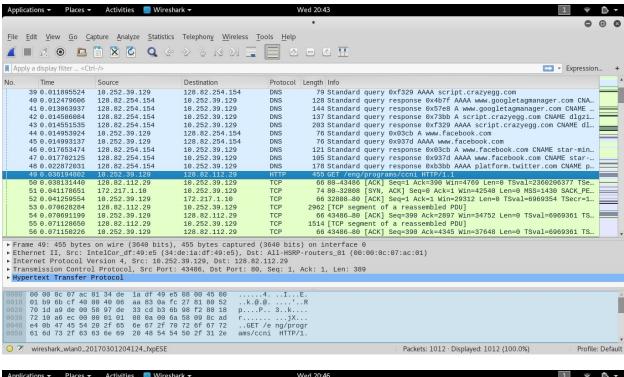
Your name: Bradley McKee

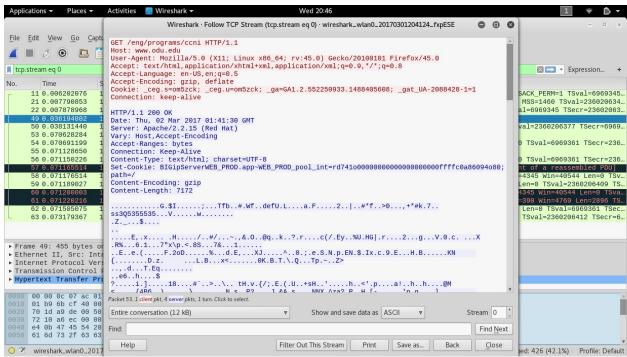
UIN: 00975338

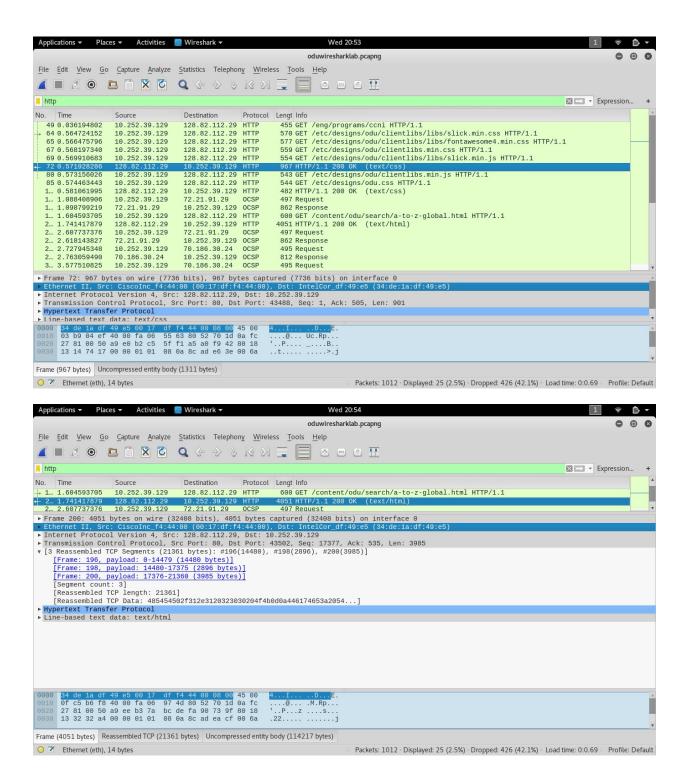
Sign here: BLM (initials represent signature)

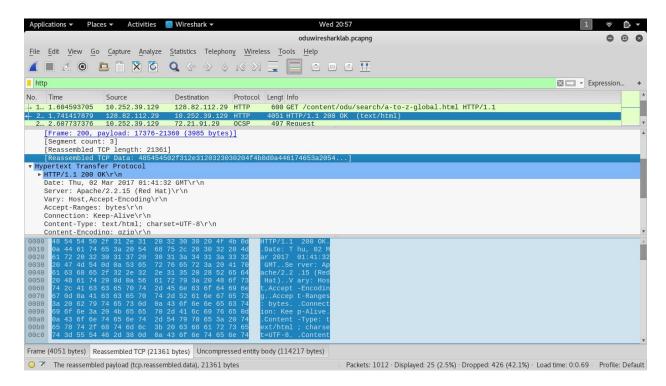
In this lab we were instructed to do the networking lab with a program called <u>Wireshark</u>. After reading the lab I decided that it would make it a lot easier on myself if I had a computer than ran Kali Linux. I decided to make a partition on my laptop and install kali linux mainly because it comes with all the software we will be using this semester. Last semester I became familiar with using Wireshark in ECE 355. Attached will be screenshots taken from my laptop as proof that I went through and completed the lab.











We can only see the HTTP request and response in plain text, but the data part is completely scrambled, Why?

I suspect that the data part is scrambled because the way that it is encrypted when it is being sent. From my understanding is that when they send packets of data it is compressed and then decompressed once the whole segment is transmitted. I think it decompresses the data transfer after all the segments have been received and then it converts it to readable plaintext at the end.