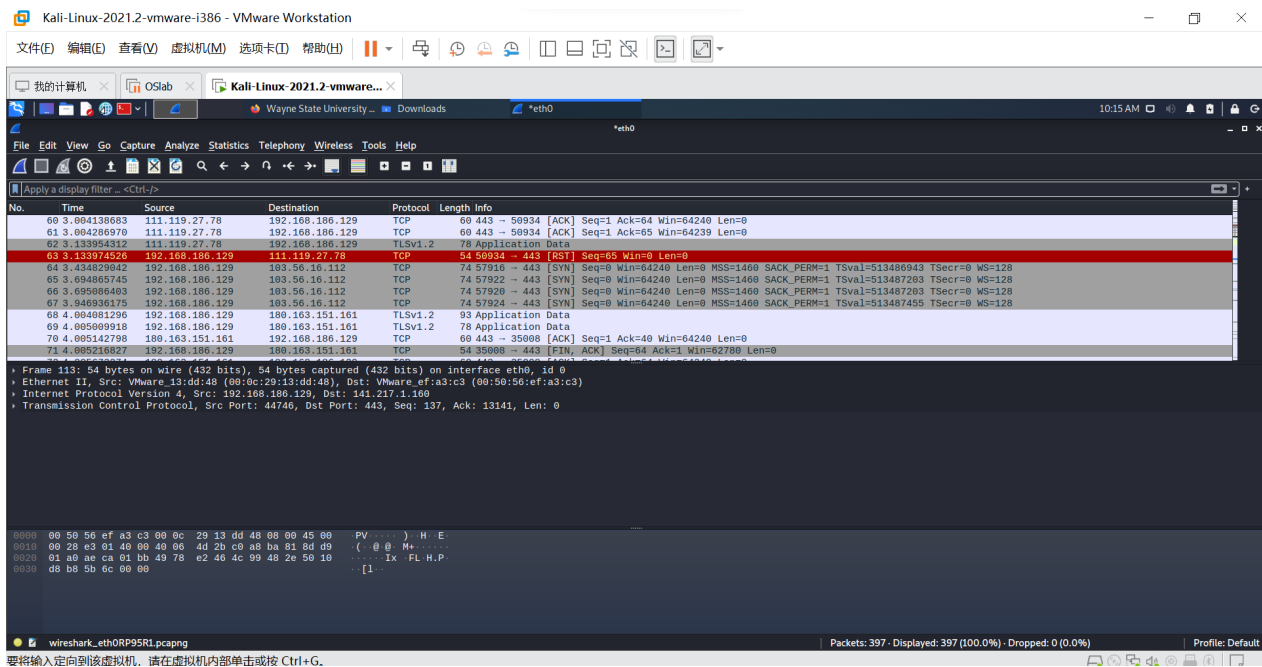# CS315 Lab1

SID: 12012919

Name: 廖铭骞

Q1 Carefully read the lab instructions and finish all tasks above

I have carefully read the lab instructions and finished all the tasks listed above.

Q2 If a packet is highlighted by black, what does it mean for the packet?

Black identifies TCP packets with problems such as they are in need of retransmission.

Q3 What is the filter command for listing all outgoing http traffic?

"http"

Q4 Why does DNS use Follow UDP Stream while HTTP use Follow TCP Stream?

Because UDP is proper for DNS and DNS is running upon the UDP protocol, and TCP is proper for HTTP and HTTP is runing upon TCP protocol.

Q5 Using Wireshark to capture the FTP password.

The password is [**WSU-csc5991.**] without the braket.

I followed the steps listed by the PDF, log in the FTP server and print in the password.

When I analyzed the packets, I found the password through the packets.

The screenshot is shown as below.

```
220 (vsFTPd 3.0.3)
USER csc5991-student
331 Please specify the password.
PASS WSU-csc5991.
230 Login successful.
SYST
215 UNIX Type: L8
```

3 client pkts, 4 server pkts, 6 turns.

Entire conversation (143 bytes)   Show data as   ASCII   Stream   0

Find: Find Next

Filter Out This Stream   Print   Save as   Back   Close   Help