

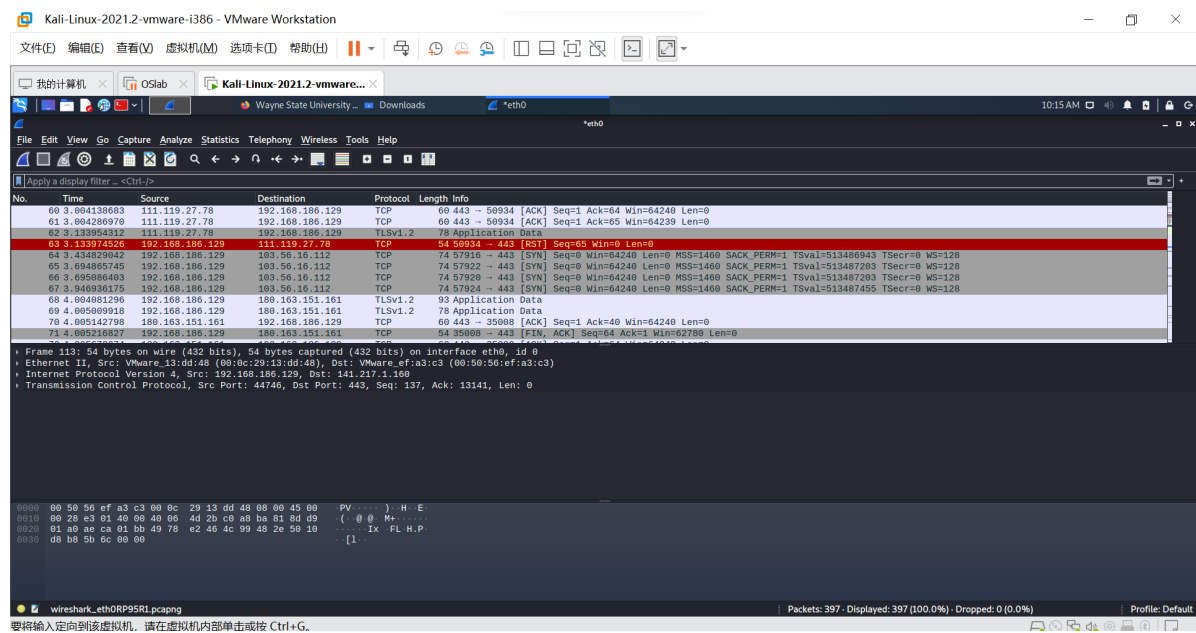
# CS315 Lab1

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 && http.request`

**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 running upon TCP protocol.

Since UDP is faster than TCP, but TCP can guarantee the transmission but UDP cannot.

## Q5 Using Wireshark to capture the FTP password.

The password is [WSU-csc5991.] without the bracket.

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.

