**Name: Nimya Satheesh**

**Roll No: 26**

**Batch: B**

**Date: 06-06-2022**

**NETWORKING & SYSTEM ADMINISTRATION LAB**

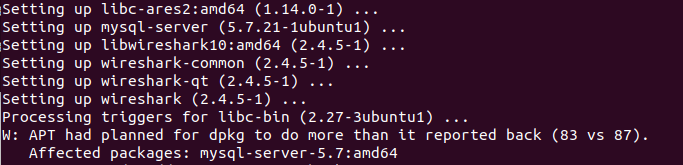
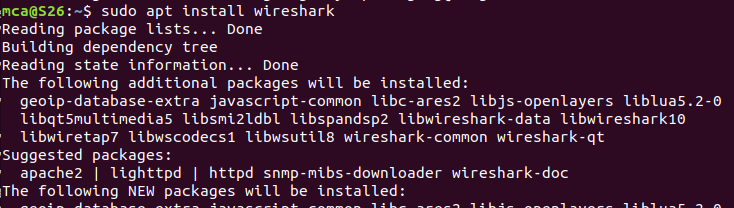
**Experiment No.: 28**

**Aim**

Wireshark

**Procedure**

1. **Sudo apt install wireshark :** Wireshark’s latest version has been added to the APT, you can download and install.

****

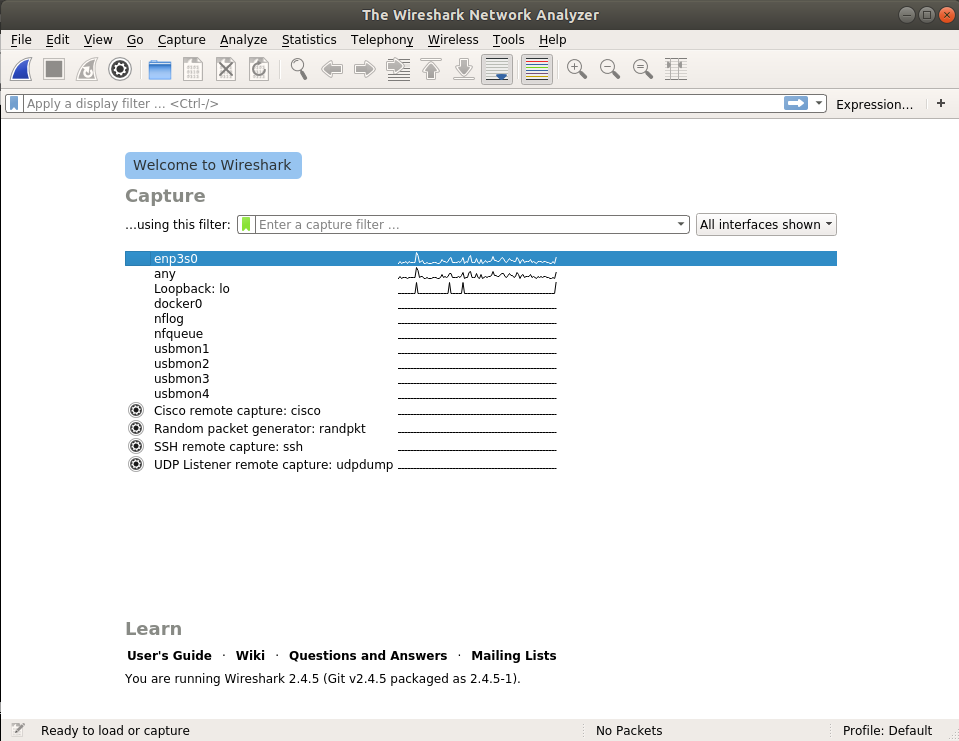
1. **Sudo adduser $USER wireshark :**

****

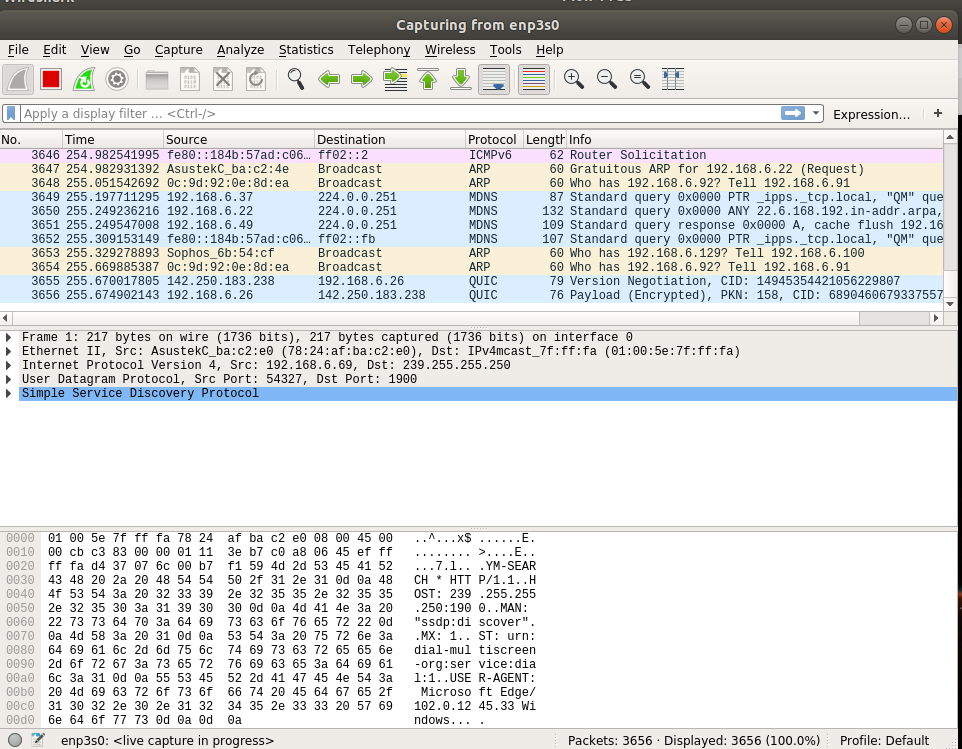
1. **Sudo wireshark :** To start wireshark application.

****

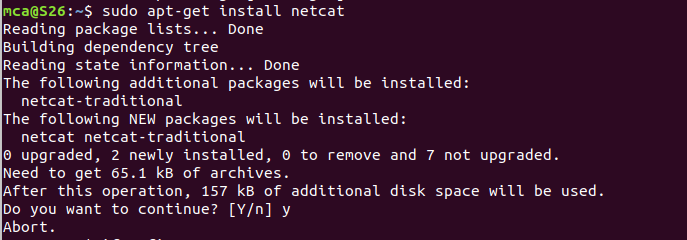
1. **Capturing packet using wireshark :** List of interfaces that you can capture packets to and from. There are many types of interfaces you can monitor using Wireshark, for example,**Wired**, **Wireless,** USB and many external devices. You can choose to show specific types of interfaces in the welcome screen from the marked section of the screenshot below:

****

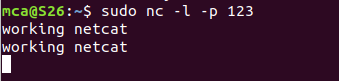
 Many packets were captured:

****

1. **Sudo apt –get install netcat :** Installing netcat.

****

1. **nc –l –p 1234 :** To set up the server using Netcat in listening mode. We will use port 12345 and will specify the port number with the -p option.



1. **nc localhost 1234 :** The client needs the server ip to connect to it. My server and my client are on the same machine so I use localhost for the hostname. The command ‘nc hostname port’ puts Netcat in client mode and connects to the specified hostname on the specified port.

