COMP 628 Homework 2

Jiapeng Pei S01435611

Question 4.2.1

The source port is 20199

Question 4.2.2

The destination port is 1434

Question 4.3.1

The source port is 1707

Question 4.3.2

google.com

Question 4.4.1

DHCP Discover, DHCP Offer, DHCP Request and DHCP ACK.

Question 4.4.2

UDP. The first reason is that we can see DHCP really uses User Datagram Protocal by checking its packet information. The second reason is that is in phase 1 the client boardcasts discovery requests to all devices, which is connectionless. This indicates the usage of UDP instead of TCP.

Question 4.4.3

Port 67.

End of Lab Questions

1.

65.165.167.86

2.

DNS translates domain names into IP addresses. Its full name is Domain Name Server.

3.

Port 53.

4.

The DHCP client broadcasts discovery requests to all devices on the network. The intend recipient is the DHCP server.