

Programming Assignment 3, Part B

Time	Source	Destination	Protocol	Length	Info
1 0.000000	IntelCor_a2:38:93	Broadcast	ARP	42	Who has 172.25.112.1? Tell 172.25.112.56
3 0.017930	aa:bb:cc:dd:ee:ff	IntelCor_a2:38:93	ARP	56	172.25.112.1 is at aa:bb:cc:dd:ee:ff

***** ETHERNET FRAME *****

Target MAC: ff:ff:ff:ff:ff:ff

Sender MAC: a8:7e:ea:a2:38:93

Type: 0806

***** ARP HEADER *****

Hardware type: 0001

Protocol type: 0800

Hardware size: 06

Protocol size: 04

Opcode: 0001

Sender MAC: a8:7e:ea:a2:38:93

Sender IP: 172.25.112.56

Target MAC: 00:00:00:00:00:00

Target IP: 172.25.112.1

***** ETHERNET FRAME *****

Target MAC: a8:7e:ea:a2:38:93

Sender MAC: aa:bb:cc:dd:ee:ff

Type: 0806

***** ARP HEADER *****

Hardware type: 0001

Protocol type: 0800

Hardware size: 06

Protocol size: 04

Opcode: 0002

Sender MAC: aa:bb:cc:dd:ee:ff

Sender IP: 172.25.112.1

Target MAC: a8:7e:ea:a2:38:93

Target IP: 172.25.112.56

(i) Above is my code output for one ARP message and response.

(ii)

Sender MAC: a8:7e:ea:a2:38:93

Sender IP: 172.25.112.56

These values are in the packet header of the ARP message.