Assignment-2 CS425A

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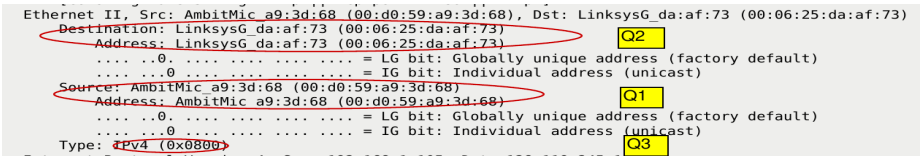
1 Ethernet



1.1 Problem 1

The ethernet address of my computer is 00:d0:59:a9:3d:68.

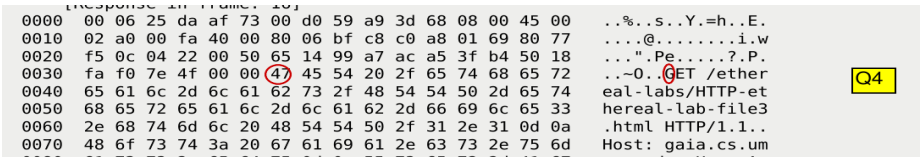
1.2 Problem 2

The destination address in the ethernet frame is 00:06:25:da:af:73. This is not the ethernet address of gia.cs.umass.edu. LinksysG router has this ethernet address.

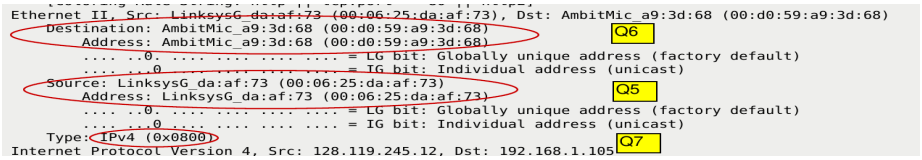
1.3 Problem 3

The hexadecimal value for the two-byte Frame type field is 0x0800. It corresponds to Network Layer Protocol. Here the protocol used is IP.

1.4 Problem 4



'G' occurs **after** 54 bytes from the start of the ethernet frame.



1.5 Problem 5

The value of the ethernet source address is 00:06:25:da:af:73. This is the ethernet address of the LinksysG router which is used to route the datagram off the subnet.

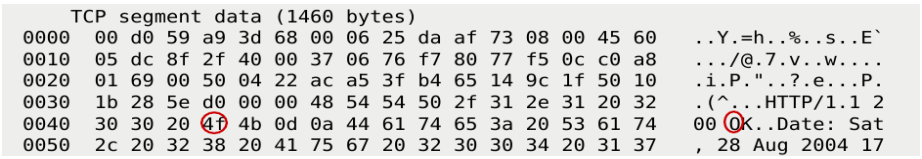
1.6 Problem 6

The destination ethernet address is 00:d0:59:a9:3d:68. This is the ethernet address of my computer.

1.7 Problem 7

The hexadecimal value for the two-byte Frame type field is 0x0800. It corresponds to Network Layer Protocol. Here the protocol used is IP.

1.8 Problem 8



'O' occurs **after** 66 bytes from the start of the ethernet frame.