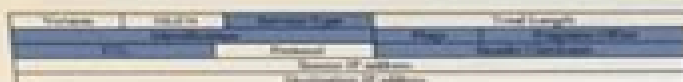


Lab 6 - IPv4 - Packet Format (10 points)

Student: _____

Recall that a typical 20-byte IPv4 header looks like this:



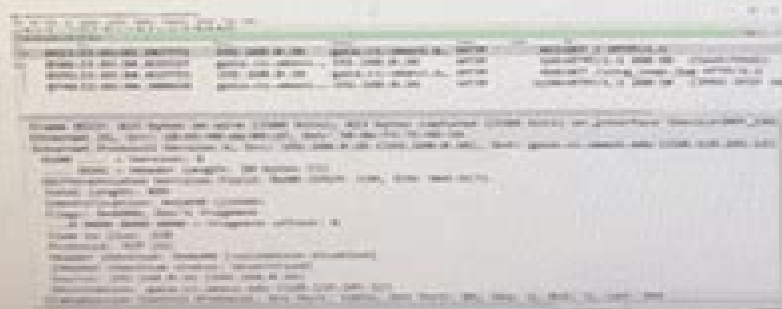
In this lab, we will ignore the shaded fields.

1. Start a Wireshark capture and then, using your favorite browser, access:

<http://gaia.cs.umass.edu>

Use this text in the Wireshark's filter bar: `http && ip.addr==128.119.245.12`

Your capture should look like this:



2. For the two first IP packets, fill out the fields of their IP headers:

Packet 1 (HTTP GET request)



Packet 2 (HTTP response)



3. Which version of IP are we using?
4. What is the type of segment inside the first two IP packets: a TCP segment or a UDP segment?
5. How do you know?
6. For the two first packets, fill out the following table:

	Protocol of first packet	Protocol of second packet	Protocol of third packet	Protocol of fourth packet
Packet 1 (HTTP GET request)				
Packet 2 (HTTP response)				

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