**Name:** Sood, Dhruv **Date:** 12th February ‘2024

**NYU ID:** N14488523

**Course Section Number:** csgi-ga.2662-001

**Lab #2 – Application Layer**

**Total in points (100 points total):**

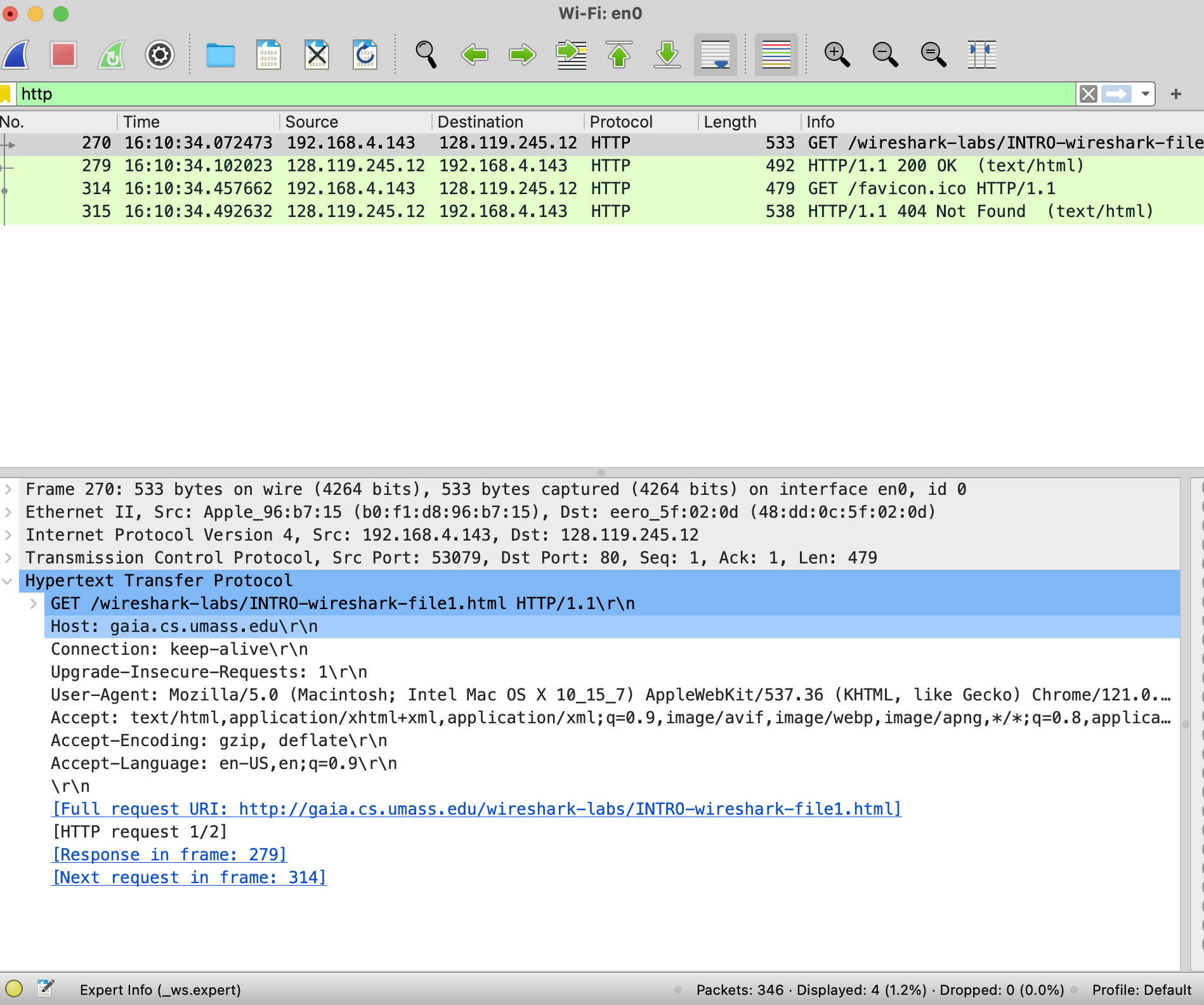
**Professor’s comments:**

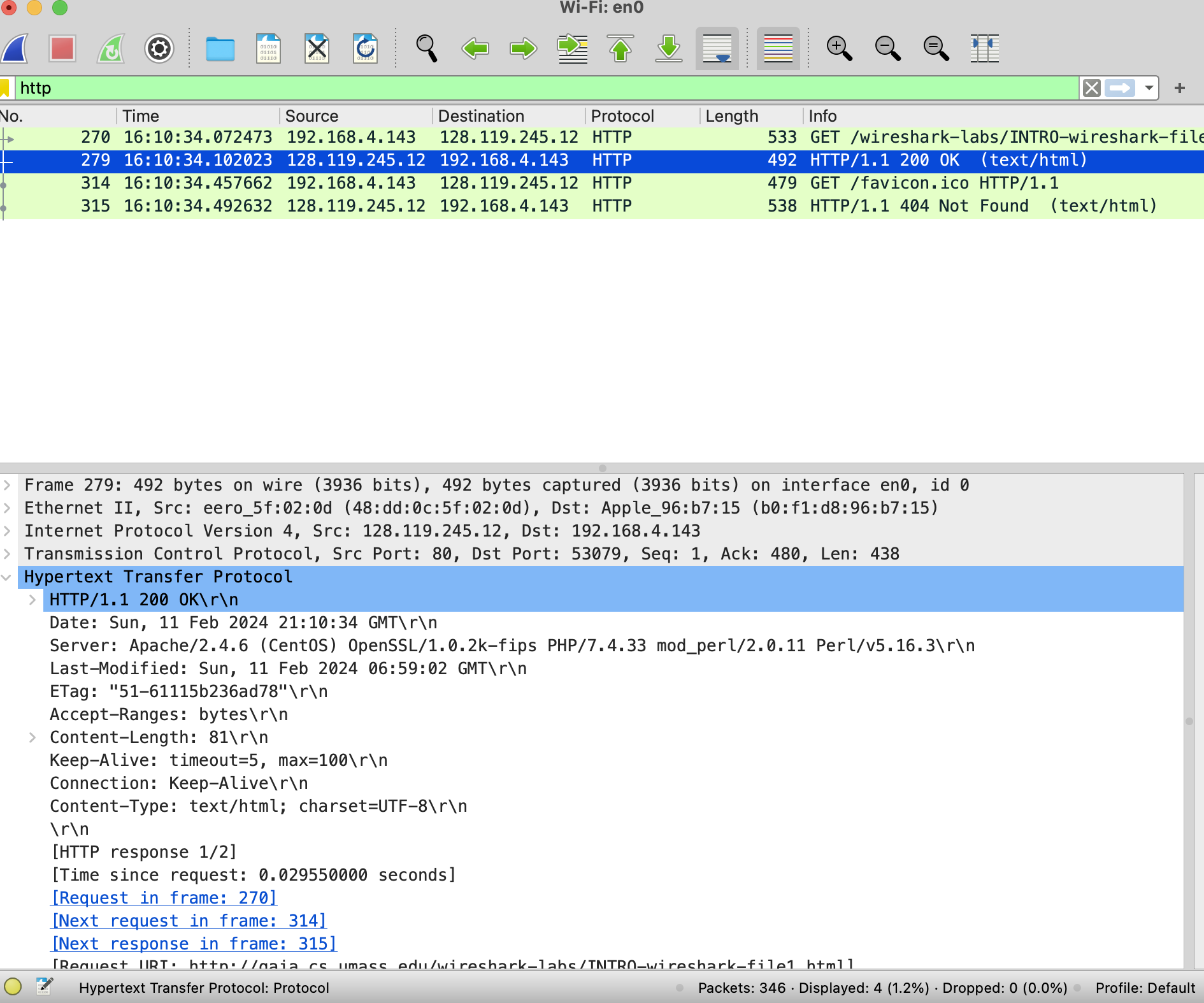
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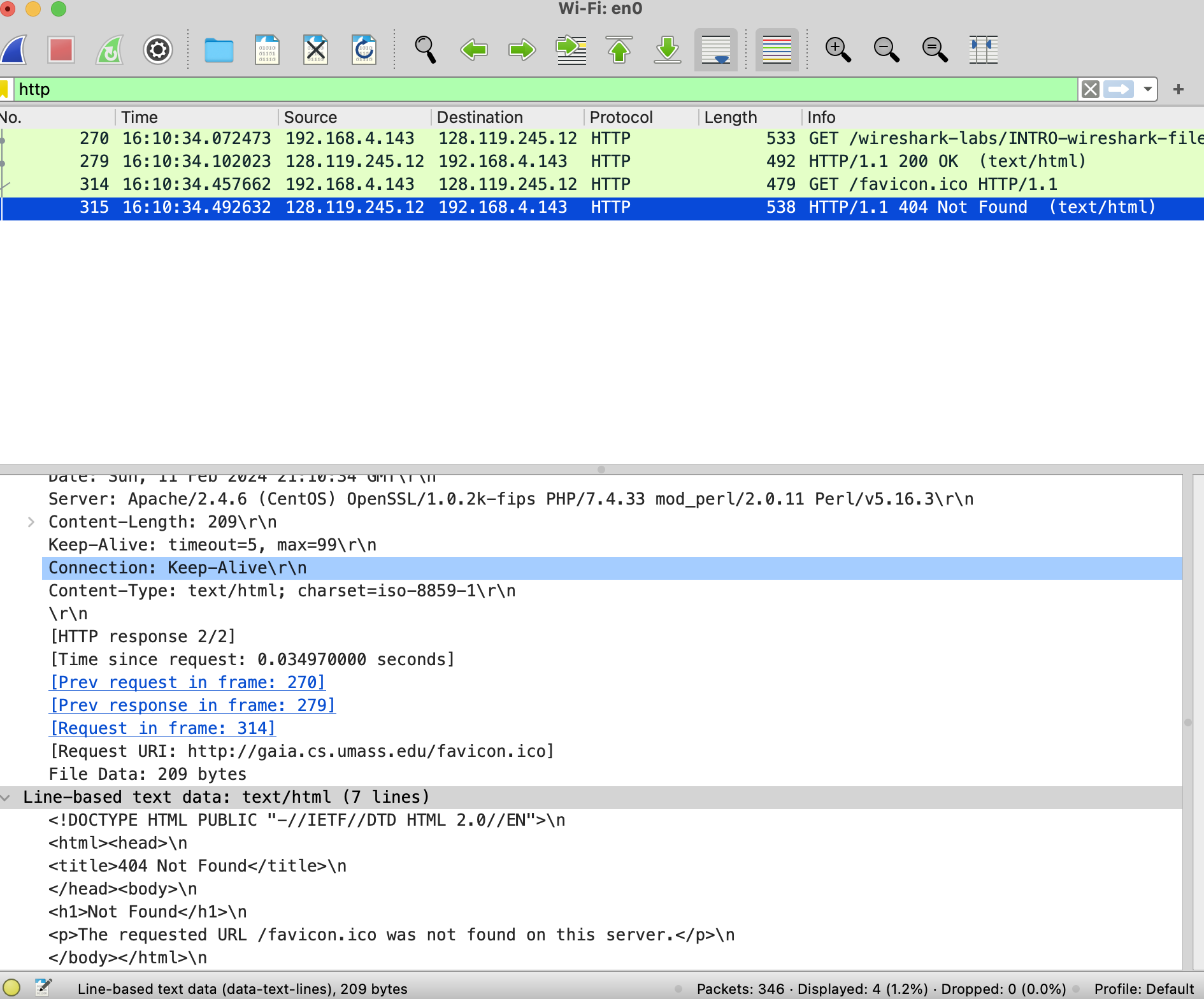
**I completed my assignment independently, showcasing my self-reliance and dedication to the task**

**Ques 1.**

**(a) Use a packet sniffer (e.g., Wireshark) to capture the sequence of ASCII characters that are sent and received by a web browser as a result of a request of your choice to a web server. Provide a screen capture of these sequences and add carriage return and line feed characters as needed to improve readability.**

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**b)**

The requested URL was favicon.ico

Response Protocol Version: HTTP/1.1

The kind of web server that answered the question was Apache.

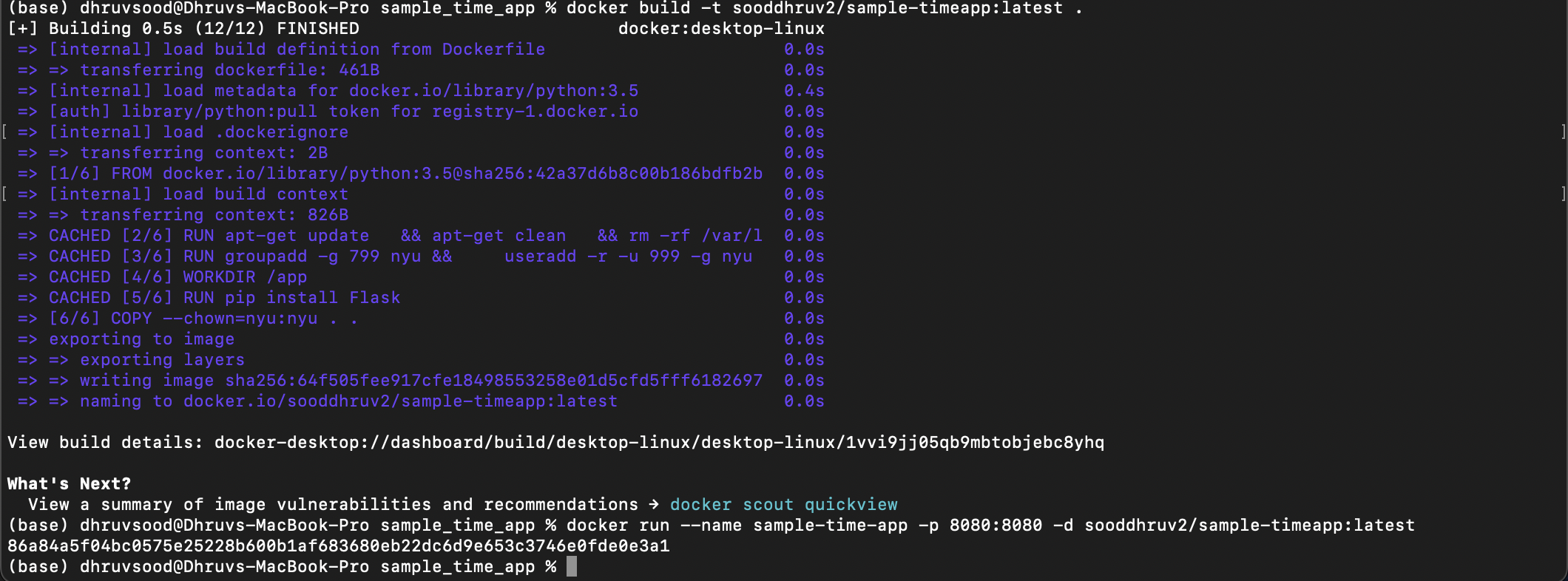
**c)** Yes, the “keep alive” status indicates that the connection was persistent.

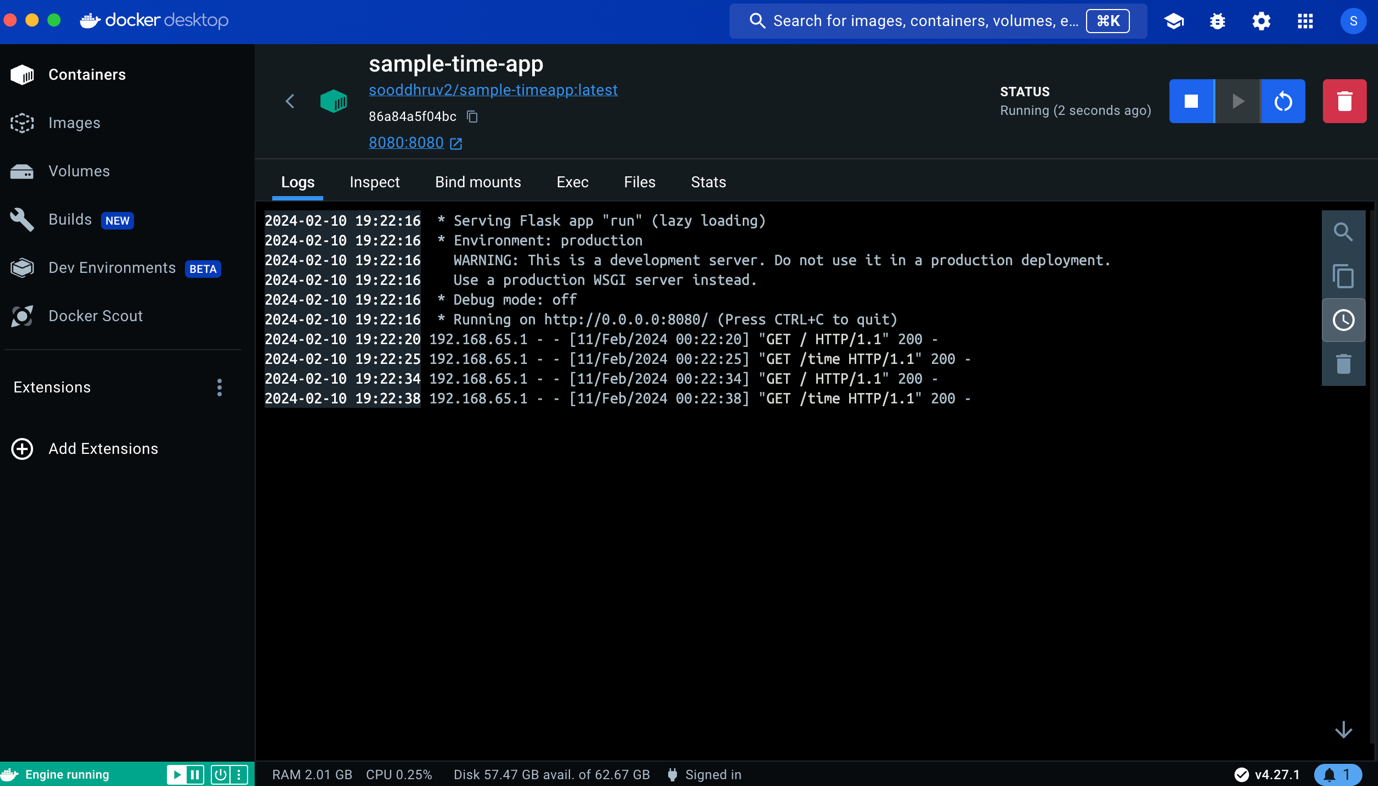
**d)** The browser that sent the request was "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36."

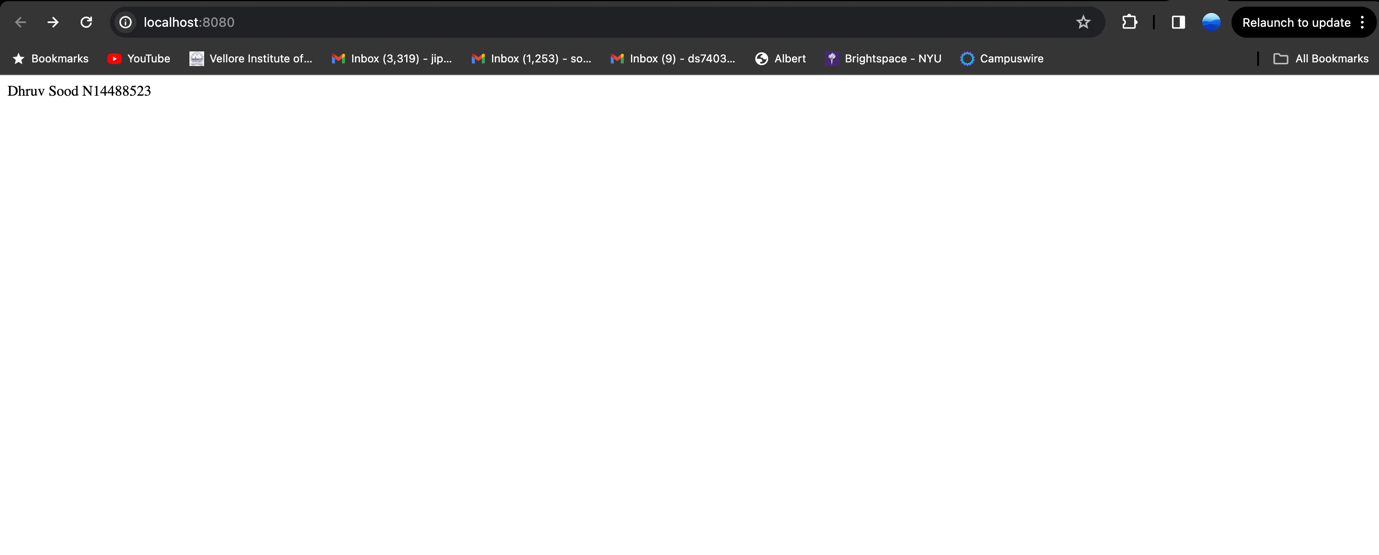
**e)** The provided HTTP request received a successful response with an HTTP status code of "200 OK” as indicated here “HTTP/1.1 200 OK\r\n”

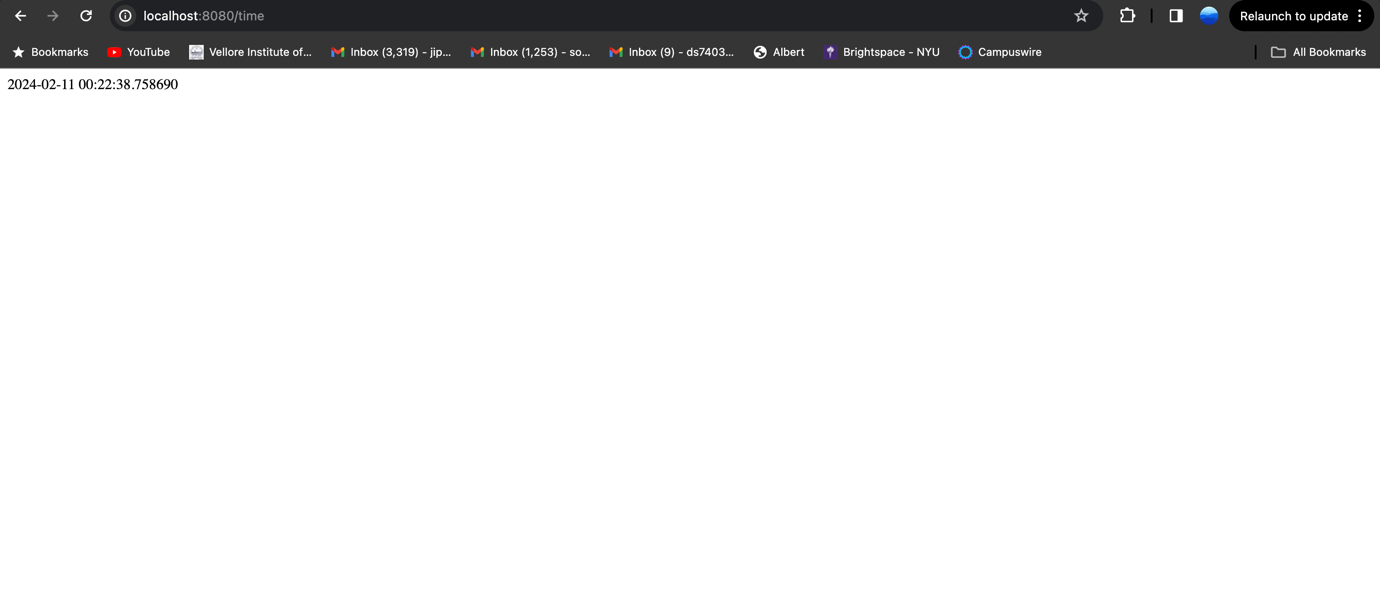
**Question 2.**

**a)**

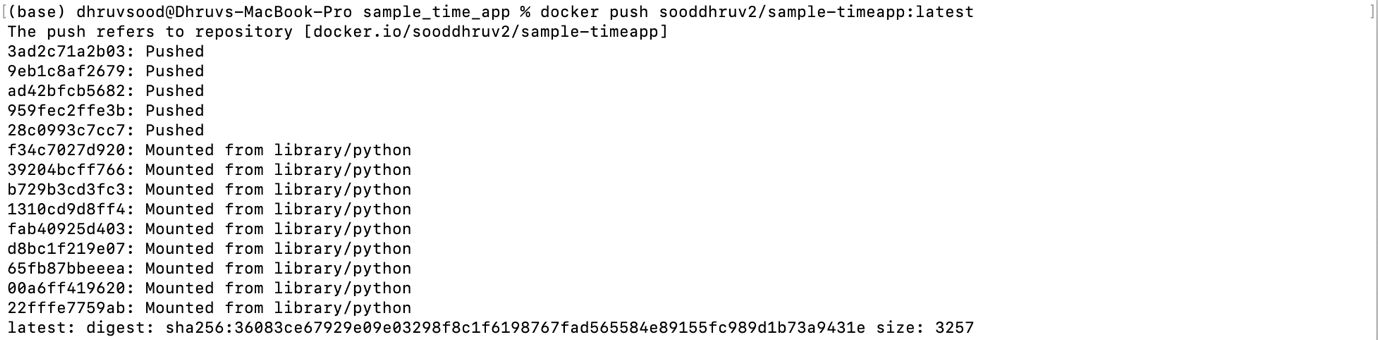
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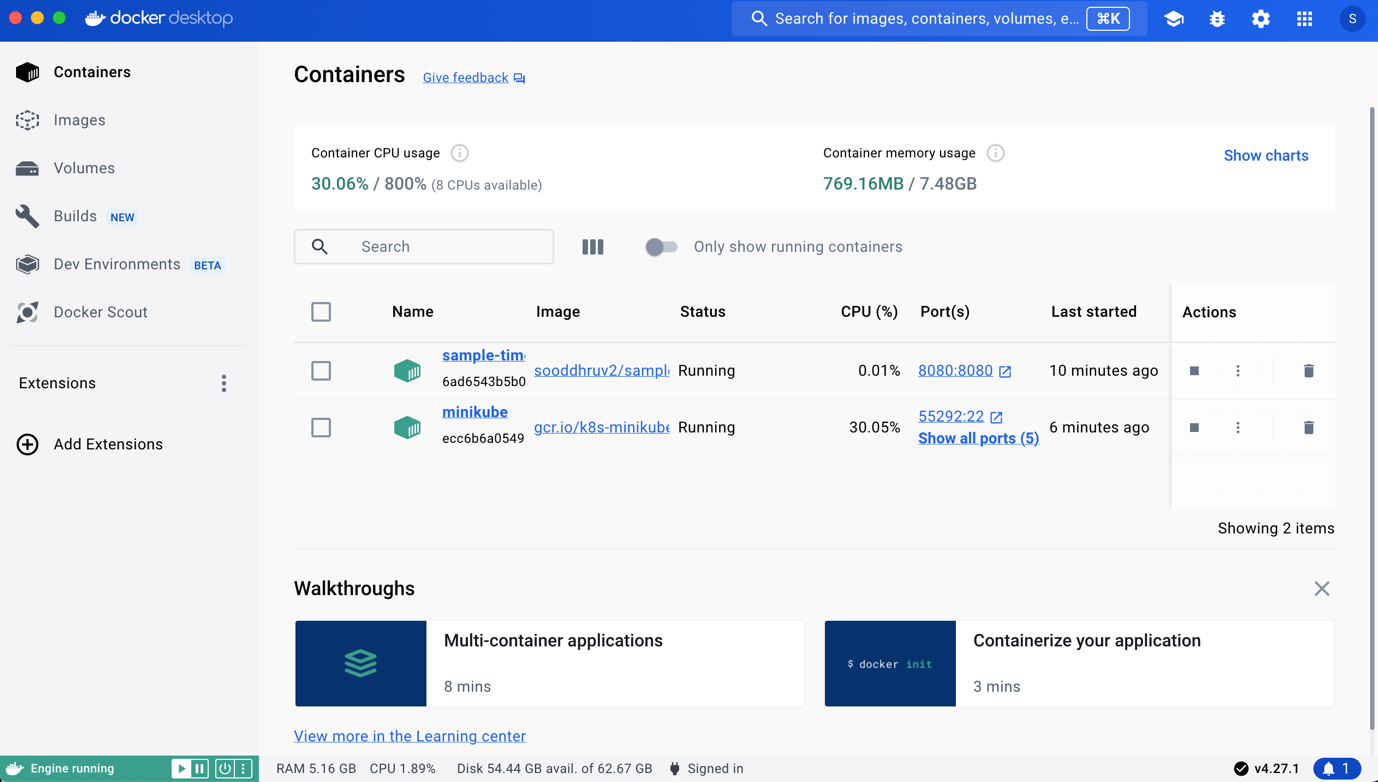
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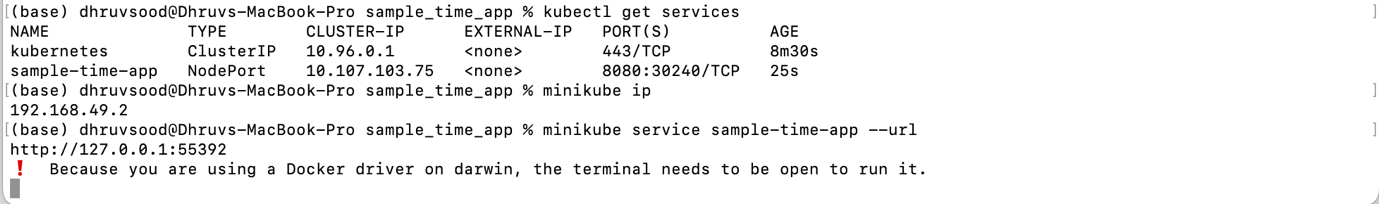
**b)**

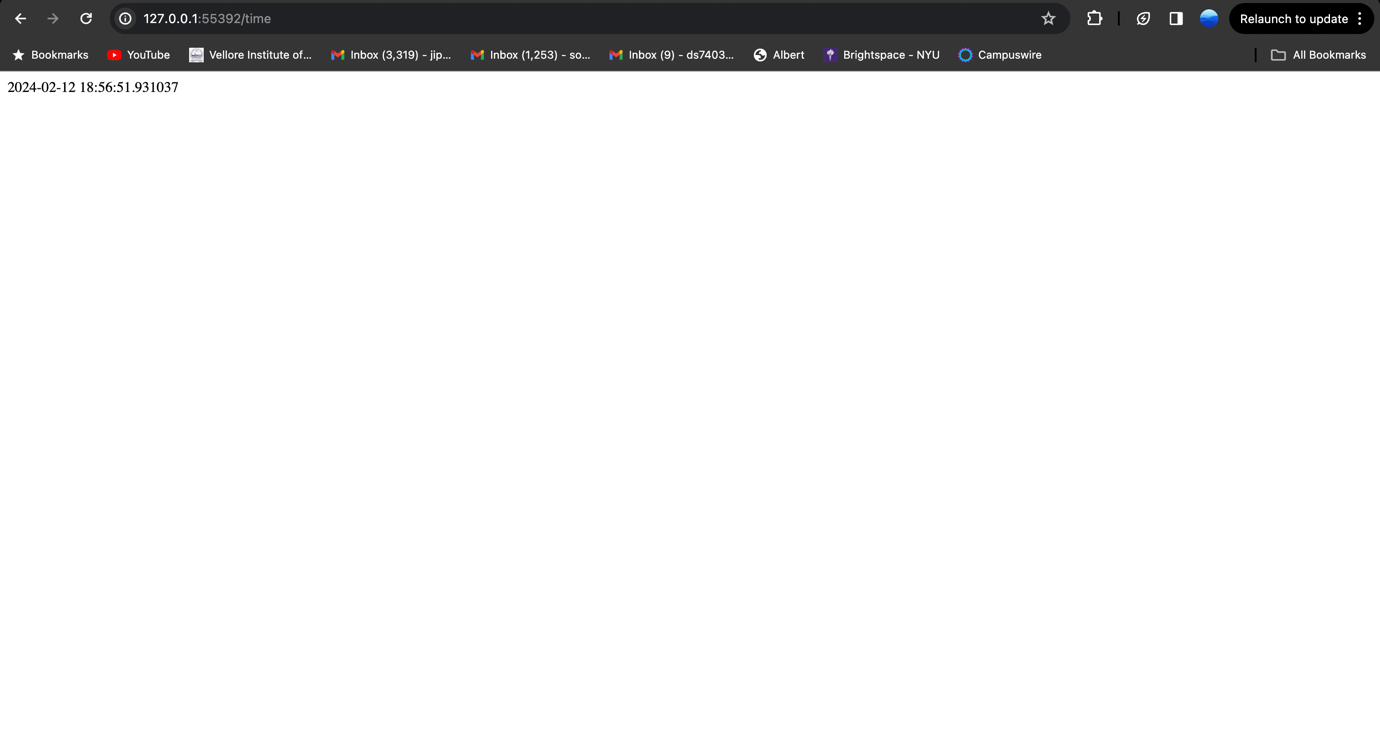
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**c)**

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