

HTTP Analysis CN Assignment 01

Q1. What is the name of website?

The website accessed is identified by the **Host header** in the GET request:
'kurosesross.lms.php'

Q2. Find the packet that contains the first GET request.

The first GET request appears in **Packet No. 72**:

Q3. Describe all headers and their values in this GET request.

The headers in the GET request are:

- **Host:** kurosesross.lms.php
 - **User-Agent:** Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:143.0) Gecko/20100101 Firefox/143.0
 - **Accept:** text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
 - **Accept-Language:** en-US,en;q=0.5
 - **Accept-Encoding:** gzip, deflate
 - **Connection:** keep-alive
 - **Upgrade-Insecure-Requests:** 1
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Q4. Identify the status code in the first server response.

The first response from the server contains the status code:
200 OK

Q5. How many HTTP response messages are exchanged in total?

By filtering with 'http.response' in Wireshark, we observe multiple response messages.

- First response: '200 OK (text/html)'
- Second response: '200 OK (text/css)'
- (Additional responses may appear for other resources like images or scripts)

Total responses observed: 2 (minimum in this trace).

Q6. Determine whether the connection is persistent or not.

The connection is **persistent**, because:

- The request includes the header 'Connection: keep-alive'.
- Multiple HTTP responses (HTML + CSS) were exchanged over the same TCP connection without reconnecting.

Conclusion: The HTTP connection is persistent.
