LAB 2

COMP-9331

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Exercise 3:

Question 1:

Status Code: 200

Status Phrase: OK

Question 2:

Yes, there is Date: Tue, 23 Sep 2003 05:29:50 GMT

Last Modified: Tue, 23 Sep 2003 05:29:00 GMT

Last modified shows the file last modified on server, that is about file content. Date is about the time of response of this request. For example, it looks like I edit the file on server in 052900 on server, and send to you on 052950.

Question 3:

It is persistent connection. It comes from “Connection: Keep-Alive” and “Keep-Alive: timeout=10, max=100”

Question 4:

Content-Length: 75 bytes

Question 5:

<html>\n

Congratulations. You've downloaded the file lab2-1.html!\n

</html>\n

Exercise 4:

Question 1:

No, there is no “IF-MODIFIED-SIENCE” line in first GET request

Question 2:

Yes, the response contains “Last-Modified: Tue, 23 Sep 2003 05:35:00 GMT”

It also contains Etag:”1bfef-173-8f4ae900”

Question 3:

Yes, there is. The second GET request has “IF-Modified-Since: Tue, 23 Sep 2003 05:35:00 GMT”

It also has “If-None-Match:”1bfef-173-8f4ae900”” which fit the first GET request received Etag

Question 4:

The server return status code 304 and phrase “Not Modified”

The server does not return the file, because it was not modified after Tue, 23 Sep 2003 05:35:00 GMT and the Etag is same, which shows the file is same. It will use local copy instead of downloading it, because they are the same

Question 5:

The Etag is 1bfef-173-8f4ae900, which is same as the first GET request’s response. It is used to check if the file has been changed. The same file version has same Etag. When the Etag is same, it means the files are same, no need to download it again, you can use the local version.

Exercise 5: