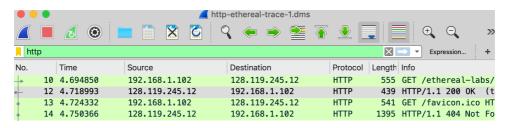
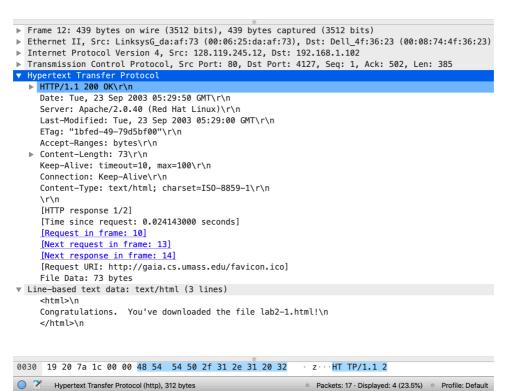
COMP3331 WK02 LAB REPORT

Exercise 3:





Question 1:

Status Code: 200

Response Phrase: OK

Question 2:

Last-Modified: Tue, 23 Sep 2003 05:29:00 GMT\r\n

Date: Tue, 23 Sep 2003 05:29:50 GMT\r\n

The real response time is 50 seconds after the browser retrieves the HTML file.

Ouestion 3:

It is persistent since the header shows that Keep-Alive: timeout=10, max=100\r\n

Connection: Keep-Alive \r

Question 4:

File Data: 73 bytes.

Question 5:

The text which is: Congratulations. You've downloaded the file lab2-1.html!

Exercise 4:

Ouestion1:

No, there do not have this line.

Question2:

Yes, it indicates that the last modified date is Tue, 23 Sep 2003 05:35:00 GMT.

Question3:

Yes, they show that

If-Modified-Since: Tue, 23 Sep 2003 05:35:00 GMT

If-None-Match: "1bfef-173-8f4ae900"

Question4:

Status Code: 304

Response Phrase: Not Modified

The server didn't return the contents of the file, because the GET requests can be cached and the contents hadn't been changed after the last modified.

Question5:

```
1st: ETag: "1bfef-173-8f4ae900"
2nd: ETag: "1bfef-173-8f4ae900"
```

It hasn't' changed since the HTTP has been modified. The principle for ETag is that when you request an URL, the Web server will return a corresponding ETag, if the client want to request the same URL next time, a saved ETag will be sent.

Exercise 5:

Server output on the left and client output on the right.

```
Lab2.pdf PingClient.class PingScrver.class PingScrver.java z5191546@vx2:/tmp_amd/reed/export/reed/3/z5191546/cs3331/lab/lab02$ java PingScrver.java lab01 lab02 z5191546@vx2:/tmp_amd/reed/export/reed/3/z5191546/cs3331/lab/lab02$ java PingScrver.java lab01 lab02 z5191546@vx2:/tmp_amd/reed/export/reed/3/z5191546/cs3331/lab/lab02$ java PingScrver.java lab01 lab02 z5191546@vx2:/tmp_amd/reed/export/reed/3/z5191546/cs3331/lab/lab02$ ls Reply sent.

Received from 127,0,0,1: PING 1 1561121791375 z5191546@vx2:/tmp_amd/reed/export/reed/3/z5191546/cs3331/lab/lab02$ ls Lab2.pdf PingClient.java PingScrver.java z5191546@vx2:/tmp_amd/reed/export/reed/3/z5191546/cs3331/lab/lab02$ java PingClient.java PingScrver.java z5191546@vx2:/tmp_amd/reed/export/reed/3/z5191546
```