CS 372   **Introduction to Computer Networks**
Self-Check Exercises: Lecture 11

1) A client-side history of transactions between a client and server using HTTP is called a _____.

2) How are these implemented in the HTTP handshaking procedure?

3) What are the major trade-offs implied by the use of cookies?

4) What is the goal of caching in HTTP?

5) If none of the links from the HTTP client to the HTTP server are congested, will a connection be faster with or without caching enabled.

6) A client in a network with a proxy server requests a 3MiB file from an internet server, x.y.z.com. The network's proxy server has a 1.54Mbps connection to x.y.z.com. The average response time between the network's proxy server and the internet origin server (including RTT) is 2 seconds for a small "header-only" HTTP request/response. The file requested by the client is currently in the proxy server cache, but the proxy server relays the client's request to the internet server with "if-modified since". Assume that transmissions between the proxy and the origin servers are stream (not packets) at full bandwidth, with negligible propagation delay. *How much time is saved if the file has not been modified?*