California State University, Monterey Bay

Week 1 - Homework 3

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CST331

Introduction to Computer Networks

SUMMER 2015

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Problem

This problem is taken from 'Computer Networking: A Top-Down Approach', 6/E by Kurose and Ross.

The text below shows the reply sent from the server in response to the HTTP GET message in the question above. Answer the following questions, indicating where in the message below you find the answer.

HTTP/1.1 200 OK<cr><lf>Date: Tue, 07 Mar 2008 12:39:45GMT<cr><lf>Server: Apache/2.0.52 (Fedora)

<cr><lf>Last-Modified: Sat, 10 Dec2005 18:27:46 GMT<cr><lf>ETag: "526c3-f22-a88a4c80"<cr><lf>Accept-

Ranges: bytes<cr><lf>Content-Length: 3874<cr><lf>

Keep-Alive: timeout=max=100<cr><lf>Connection:

Keep-Alive<cr><lf>Content-Type: text/html; charset=

ISO-8859-1<cr><lf><cr><lf><!doctype html public "-

//w3c//dtd html 4.0 transitional//en"><lf><html><lf>

<head><lf> <meta http-equiv="Content-Type"

content="text/html; charset=iso-8859-1"><lf> <meta

name="GENERATOR" content="Mozilla/4.79 [en] (Windows NT

5.0; U) Netscape]"><lf> <title>CMPSCI 453 / 591 /

NTU-ST550A Spring 2005 homepage</title><lf></head><lf>

<much more document text following here (not shown)>

1) Was the server able to successfully find the document or not? What time

   was the document reply provided?

   - Yes. The status code of 200 and the phrase OK indicate that the server was able to

     locate the document successfully.

   - It appears that the Document reply was at Date: Tue, 07 Mar 2008 12:39:45GMT

2) When was the document last modified?

   - It appears that the Document was last modified on: Sat, 10 Dec2005 18:27:46 GMT

3) How many bytes are there in the document being returned?

   - The bytes return for the document are 3874

4) What are the first 5 bytes of the document being returned? Did the server agree to a

   persistent connection?

   - The first 5 bytes return for the document are <!doc