
CHAPTER 27

WWW and HTTP

Solutions to Review Questions and Exercises

Review Questions

1. **HTTP** is a file transfer protocol that facilitates access to the **WWW**.
2. **HTTP** is like **SMTP** because the data transferred between the client and server are similar in appearance to SMTP messages. Also, the format of the messages is controlled by MIME-like headers.
3. **HTTP** is like **FTP** because they both transfer files and use the services of TCP.
4. The **URL** is a standard that facilitates the access of documents on the Web. A URL defines a method, a host computer, a port, and a path.
5. A **proxy server** is a computer that keeps copies of responses to recent requests. When an HTTP client has a request, the cache of the proxy server is checked before the request goes to the regular server.
6. A **browser** consists of a controller, client program, and interpreters.
7. A **Web document** can be classified as either **static**, **active**, or **dynamic**.
8. **Hypertext Markup Language (HTML)** is a language for creating Web pages.
9. A **dynamic document** is the product of a program run by a server as requested by a browser. An **active document** is the product of a program sent from the server to the client and run at the client site.
10. The **Common Gateway Interface (CGI)** is a standard that creates and handles dynamic documents.
11. **Java** is one of the languages that is used to write an **active document**.

Exercises

12. The **first picture** will be **centered** and the **second** will be **at the bottom**.
13. On the screen you see: The publisher of this book is **McGraw-Hill Publisher**

14.
GET /usr/users/doc/doc.1 HTTP /1.1
Date: Fri, 13-Jan-06 08:45:20 GMT
MIME-version: 1.0
Accept: image/gif
Accept: image/jpeg
Last modified: Mon, 09-Jan-06
15.
HTTP/1.1 200 OK
Date: Fri, 13-Jan-06 08:45:25 GMT
Server: Challenger
MIME-version: 1.0
Content-length: 4623

(Body of document)
16.
HTTP/1.1 302 Moved permanently
Date: Fri, 13-Jan-06 08:45:25 GMT
Server: Challenger
Location: /usr/deads/doc.1
17.
HTTP/1.1 400 Bad Request
Date: Fri, 13-Jan-06 08:45:25 GMT
Server: Challenger
18.
HTTP/1.1 401 Unauthorized
Date: Fri, 13-Jan-06 08:45:25 GMT
Server: Challenger
19.
HEAD /bin/users/file HTTP /1.1
Date: Fri, 13-Jan-06 10:40:22 GMT
MIME-version: 1.0
From: mzzchen@sinonet.cn
20.
HTTP/1.1 200 OK
Date: Fri, 13-Jan-06 10:40:27 GMT
Server: Challenger
Content-type: image/jpeg
Content-length: 4623

21.
COPY /bin/usr/bin/file1 HTTP /1.1
Date: Fri, 13-Jan-06 10:52:12 GMT
MIME-version: 1.0
Location: /bin/file1
22.
HTTP/1.1 200 OK
Date: Fri, 13-Jan-06 10:53:00 GMT
Server: Challenger
23.
DELETE /bin/file1 HTTP /1.1
Date: Fri, 13-Jan-06 11:04:22 GMT
Server: Challenger
Authentication: swd22899/3X4ake88rTfh (Not discussed in the book)
24.
HTTP/1.1 200 OK
Date: Fri, 13-Jan-06 11:11:02 GMT
Server: Challenger
25.
GET /bin/etc/file1 HTTP /1.1
Date: Fri, 13-Jan-06 11:22:08 GMT
MIME-version: 1.0
Accept: */*
If-modified-since: 23-Jan-1999 00:00:00 GMT
26.
HTTP/1.1 200 OK
Date: Fri, 13-Jan-06 11:24:06 GMT
Server: Challenger
MIME-version: 1.0
Content-length: 2686

(Body of document)
27.
GET /bin/etc/file1 HTTP /1.1
Date: Fri, 13-Jan-06 11:41:02 GMT
MIME-version: 1.0
Accept: */*
Host: Mercury
Authentication: swd22899/3X4ake88rTfh (Not discussed in the book)
28.
HTTP/1.1 200 OK

Date: Fri, 13-Jan-06 11:45:06 GMT
Server: Challenger
MIME-version: 1.0
Content-type: text/html
Content-length: 4156

(Body of document)

29.

PUT /bin/letter HTTP /1.1
Date: Fri, 13-Jan-06 11:47:00 GMT
MIME-version: 1.0
Accept: text/html
Accept: image/gif
Accept: image/jpeg
Location: /bin/letter

30.

HTTP/1.1 200 OK
Date: Fri, 13-Jan-06 11:51:02 GMT
Server: Challenger
MIME-version: 1.0
Content-type: text/html
Content-length: 6324
Age: 10:06:02
Expires: 09-May-06 00:00:00 GMT