CHAPTER 27 (corrisponde al cap. 26 italiano)

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