

## Capítulo 19

*This activity contains 29 questions.*

1.

### Section 19.1 Introduction

19.1 Q1: *The Web server and the client communicate with each other:*

- ☐ *Through IP.*
- ☐ *Through C++ source code.*
- ☐ *Through HTTP.*
- ☐ *Through URLs.*

2.

### Section 19.2 HTTP Requests

19.2 Q1: *Which of the following represents a get request?*

- ☐ *www.somesite.com/userInput.*
- ☐ *www.somesite.com/search=userInput.*
- ☐ *www.somesite.com/search&query=userInput.*
- ☐ *www.somesite.com/search?query=userInput.*

3.

19.2 Q2: *In the context of Web browsing, cache means:*

- ☐ *To communicate using HTTP.*
- ☐ *To save on a local disk.*
- ☐ *To send to a Web server.*
- ☐ *To communicate using TCP/IP.*

4.

### Section 19.3 Multitier Architecture

19.3 Q1: *\_\_\_\_\_ applications divide functionality into separate logical groupings of functionality.*

- ☐ *None of the above.*
- ☐ *C++.*
- ☐ *Logical.*
- ☐ *Multitier.*

5.

19.3 Q2: The \_\_\_\_\_ maintains data for an application.

- ☐ Business logic tier.
- ☐ Information tier.
- ☐ Processing tier.
- ☐ Client tier.

6.

9.3 Q3: The \_\_\_\_\_ ensures that data is reliable before updating the database or sending data to a user.

- ☐ Processing tier.
- ☐ Information tier.
- ☐ Business logic tier.
- ☐ Client tier.

7.

19.3 Q4: The \_\_\_\_\_ is the application's user interface.

- ☐ Information tier.
- ☐ Processing tier.
- ☐ Business logic tier.
- ☐ Client tier.

8.

Section 19.4 Accessing Web Servers

19.4 Q1: Which of the following is not present in a fully qualified domain name?

- ☐ A host name.
- ☐ A top-level domain.
- ☐ All of the above are present in a fully qualified domain name.
- ☐ A domain name.

9.

19.4 Q2: Which of the following TLDs would a nonprofit organization located in the United States have?

- ☐ cn.
- ☐ et.
- ☐ com.

☐ org.

10.

19.4 Q3: Which IP address is the loopback address?

- ☐ 192.168.0.1.
- ☐ 63.110.43.82.
- ☐ 0.0.0.0.
- ☐ 127.0.0.1.

11.

Section 19.5 Apache HTTP Server

19.5 Q1: Apache HTTP Server is popular because of its:

- ☐ All of the above.
- ☐ Stability.
- ☐ Efficiency.
- ☐ Portability.

12.

Section 19.6 Requesting XHTML Documents

19.6 Q1: In the Apache HTTP server directory structure, XHTML documents must be saved in the default directory, which is:

- ☐ root.
- ☐ httpd.
- ☐ htdocs.
- ☐ Apache2.

13.

Section 19.7 Introduction to CGI

19.7 Q1: CGI is often used to generate:

- ☐ Static Web content.
- ☐ Video Web content.
- ☐ Dynamic Web content.
- ☐ Audio Web content.

14.

19.7 Q2: Which programming language must be used to write CGI

*scripts?*

- ☐ *Visual Basic.*
- ☐ *C++.*
- ☐ *Perl.*
- ☐ *Any language can be used to write CGI scripts.*

**15.**

*Section 19.8 Simple HTTP Transactions*

*19.8 Q1: A(n) \_\_\_\_\_ is an address indicating the location of a resource on the Web.*

- ☐ *None of the above.*
- ☐ *HTTP.*
- ☐ *URL.*
- ☐ *DNS.*

**16.**

*19.8 Q2: \_\_\_\_\_ is an Internet standard that specifies the way in which certain data must be formatted so that the correct program can be used to interpret the data properly.*

- ☐ *URL.*
- ☐ *MIME.*
- ☐ *DNS.*
- ☐ *None of the above.*

**17.**

*Section 19.9 Simple CGI Scripts*

*19.9 Q1: If a programmer wants to create a dynamic Web page, the programmer should:*

- ☐ *Continually update the Web page manually.*
- ☐ *Use a CGI script to generate content programmatically.*
- ☐ *Understand that there is no way to create dynamic Web pages.*
- ☐ *Provide C++ code in the XHTML document to perform the desired actions.*

**18.**

*19.9 Q2: When a user requests a CGI script:*

- ☐ *The CGI script is downloaded onto the user's hard drive, where it executes and returns the results to the browser.*
- ☐ *The client-browser executes the script and displays the results.*

- ☐ The server executes the script and sends the script's output to the client.
- ☐ The CGI script is converted into XHTML and run in the browser.

**19.**

### Section 19.10 Sending Input to a CGI Script

19.10 Q1: Which of the following CGI environment variables can a CGI script use to access user input?

- ☐ QUERY\_STRING.
- ☐ HTTP\_ACCEPT.
- ☐ SCRIPT\_NAME.
- ☐ REQUEST\_METHOD.

**20.**

19.10 Q2: When a question mark is included in a URL it:

- ☐ Delimits name-value pairs in a query string.
- ☐ Is considered part of the query string.
- ☐ Separates the query string from the requested resource.
- ☐ Is considered part of the resource requested by the user.

**21.**

### Section 19.11 Using XHTML Forms to Send Input

19.11 Q1: XHTML forms:

- ☐ Provide an intuitive way for users to input information to be sent to a CGI script.
- ☐ Can contain checkboxes and radio buttons.
- ☐ All of the above.
- ☐ Each contain an action attribute and a method attribute.

**22.**

19.11 Q2: When using the post method, a CGI script gets form data from the browser by using:

- ☐ None of the above.
- ☐ Environment variable CONTENT.
- ☐ Environment variable QUERY\_STRING.
- ☐ The standard input stream.

23.

*Section 19.12 Other Headers*

19.12 Q1: \_\_\_\_\_ is an HTTP header that redirects the client to a new location after a specified amount of time has elapsed.

- ☐ Refresh.
- ☐ Redirect.
- ☐ Wait.
- ☐ Location.

24.

19.12 Q2: CGI allows scripts to interact with servers in which of the following ways?

- ☐ By the Web server setting environment variables whose values are available to the script.
- ☐ Through the output of headers to the server via the standard input stream.
- ☐ Through POSTed, URL-encoded data sent by the server to the script's standard output stream.
- ☐ All of the above.

25.

*Section 19.13 Case Study: An Interactive Web Page*

19.13 Q1: The string library function find:

- ☐ Returns true if the desired string was found, and false if it was not found.
- ☐ Returns the desired string if it was found.
- ☐ Returns the position number of the first occurrence of the desired string if it is found.
- ☐ None of the above.

26.

*Section 19.14 Other Headers*

19.14 Q1: Cookies are considered a privacy and security concern because:

- ☐ They store information about the user on the Web server.
- ☐ Browsers require that users accept cookies.
- ☐ They can be used to identify users and keep track of users' actions at a particular site.
- ☐ They break into computers and erase hard drive data.

27.

19.14 Q2: Which of the following is not true about cookies?

- ☐ Each cookie is accessible only from the CGI script that created it.
- ☐ The Set-Cookie: line must be output before the header is written to the client.
- ☐ The browser deletes cookies when they expire.
- ☐ Stored cookie data can be accessed by using the HTTP\_COOKIE environment variable.

28.

Section 19.15 Server-Side Files

19.15 Q1: Server-side files:

- ☐ Are inaccessible if they are placed in the cgi-bin directory.
- ☐ Are less secure than using cookies to store user data.
- ☐ Provide a reasonably secure method of maintaining information.
- ☐ Can be altered by anyone with access to a Web browser.

29.

Section 19.16 Case Study: Shopping Cart

19.16 Q1: In a Web-based shopping-cart application, the cookie that stores the shopping cart's contents should be initialized at the end of which CGI script?

- ☐ checkout.cgi.
- ☐ viewcart.cgi.
- ☐ login.cgi.
- ☐ shop.cgi.

[Clear Answers / Start Over](#)[Submit Answers for Grading](#)

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