What is the purpose of enclosing a word in anchor tags (<a> and) in HTML?

a. To change the font style of the word

b. To create a hyperlink to another webpage

c. To highlight the word in color

d. To make the word bold

Correct Answer: b. To create a hyperlink to another webpage

What is the function of the href parameter within anchor tags in HTML?

a. It changes the text color of the enclosed word.

b. It specifies the font size of the enclosed word.

c. It defines the URL of the linked webpage.

d. It sets the background color of the enclosed word.

Correct Answer: c. It defines the URL of the linked webpage.

In the HTML code for including an image, what does the "src" attribute specify?

a. The image's width in pixels

b. The image's file format (e.g., JPEG)

c. The source code of the webpage

d. The URL of the image file

Correct Answer: d. The URL of the image file

If you want to display an image at the top of an HTML document, where should you insert the <img> tag?

a. Immediately after the </head> tag

b. Just before the </body> tag

c. At the beginning of the <body> tag

d. At the end of the <body> tag

Correct Answer: c. At the beginning of the <body> tag

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What is the primary purpose of XML in representing data as text files?

a. To define the appearance of data

b. To store binary data efficiently

c. To represent data in a readable format

d. To create markup languages for data representation

Correct Answer: d. To create markup languages for data representation

Which markup language is based on the XML standard and is used for representing web pages?

a. SGML

b. XHTML

c. HTML5

d. XML2HTML

Correct Answer: b. XHTML

What does the XML standard primarily emphasize in the design of markup languages?

a. Data compression

b. Data encryption

c. Data semantics

d. Data visualization

Correct Answer: c. Data semantics

In the layered approach to Internet software, how many layers does the Internet software have?

a. Two layers

b. Three layers

c. Four layers

d. Five layers

Correct Answer: c. Four layers

What is the primary function of the transport layer in the layered approach to Internet software?

a. Handling physical connections to the network

b. Managing data transmission between devices

c. Formatting data for display in web browsers

d. Creating hyperlinks between webpages

Correct Answer: b. Managing data transmission between devices

Which layer in the layered approach to Internet software is responsible for preparing a message for transmission?

a. Application layer

b. Network layer

c. Transport layer

d. Link layer

Correct Answer: c. Transport layer

What is the role of the link layer in the layered approach to Internet software?

a. Initiating the message transmission

b. Receiving the message at the destination

c. Preparing the message for transmission

d. Managing the application layer

Correct Answer: b. Receiving the message at the destination

When an HTML page contains a hyperlink, what does clicking on the link typically do?

a. Changes the font style of the text

b. Highlights the text in color

c. Retrieves and displays another webpage

d. Makes the text bold

Correct Answer: c. Retrieves and displays another webpage

What is the purpose of the "href" attribute in anchor tags?

a. To specify the font size of the text

b. To define the hyperlink's color

c. To indicate the URL of the linked webpage

d. To create a pop-up message

Correct Answer: c. To indicate the URL of the linked webpage

Which HTML tag is used to display images on a webpage?

a. <img>

b. <image>

c. <picture>

d. <graphics>

Correct Answer: a. <img>

Where should the <img> tag be placed in an HTML document to display an image at the bottom of the webpage?

a. Immediately after the </head> tag

b. Just before the </body> tag

c. At the beginning of the <body> tag

d. At the end of the <body> tag

Correct Answer: b. Just before the </body> tag

Which of the following is a primary use of XML?

a. Defining visual styles for webpages

b. Storing binary data efficiently

c. Representing data in a structured format

d. Creating hyperlinks between webpages

Correct Answer: c. Representing data in a structured format

What is HTML based on, and what is its purpose in web development?

a. HTML is based on XML, and it focuses on data representation.

b. HTML is based on SGML, and it emphasizes data compression.

c. HTML is based on JavaScript, and it enables server-side scripting.

d. HTML is based on XHTML, and it enhances data encryption.

Correct Answer: b. HTML is based on SGML, and it emphasizes data compression.

In the context of data representation, what does XML prioritize over appearance?

a. Data visualization

b. Data compression

c. Data semantics

d. Data encryption

Correct Answer: c. Data semantics

How many layers are there in the layered approach to Internet software?

a. Two layers

b. Three layers

c. Four layers

d. Five layers

Correct Answer: c. Four layers

Which layer in the layered approach to Internet software is responsible for managing data transmission between devices?

a. Application layer

b. Transport layer

c. Network layer

d. Link layer

Correct Answer: b. Transport layer