Describe the origin, purpose, and features of HTML

*Hypertext Markup Language was developed by Tim-Berners-Lee at CERN using SGML. HTML is the set of markup symbols or codes placed in a file intended for display on a web browser. HTML configures a platform-independent display of information. Each markup code is referred to an an element or tag.*

Describe the software needed to create and test web pages.

*No expensive software is required. You can use a windows or mac text editor like notepad that is part of the windows OS. Free text editors are also available for download*

Describe the purpose of the head and body sections of a web page.

*The head section is located between the <head> and the </head> tags on a web page. This area is used to contain information that describes the web page, such as the title of the page that will display in the menu bar of the browser window. The body section is located between the <body> and </body> tags. This area is used to code text and tags that show directly in the browser's display of the web pages. The purpose of the body section is to describe the contents of the web page.*

Describe the features of a heading element and how it configures the text.

*The heading element is used to display headings and subheadings of documents. The size of the heading is configured with the particular heading level used-ranging from 1-6. <h1> is the largest heading. <h6> is the smallest. Text contained between heading tags will be displayed in a bold font and will have a line break above and below*.

Describe the difference between ordered lists and unordered lists.

*Ordered lists and unordered lists can be used to organize information on a web page. Unordered lists display a small symbol or bullet in front of each item. Use the <ul> tag to configure an unordered list. By default, ordered lists display a sequence of* *numbers in front of each item. Use the <ol> tag to configure an ordered list. Configure individual items in both ordered and unordered lists using the <li> tag.*

Describe the purpose of the blockquote element.

*The purpose of the blockquote element is to format a long quotation by indenting a section of text on a web page. Empty space is placed above and below the text contained in the blockquote element. The text is indented from both the left and right margins.*

Describe the purpose of special characters.

*Special characters are used to display items such as quotation marks, greater than> and less than<, and the copyright symbol on a web page. These special characters, sometimes called entity characters, are interpreted by the browser when the page is rendered.*

Describe when to use an absolute link. Is the http protocol used in the href value?

*Use an absolute link to display a web page document from a website other than your own. The http protocol is used in the href value. Ex. <a href = "http://www.google.com">Google</a>*

Describe when to use a relative link. Is the http protocol used in the href value.

*Use a relative link to display a web page document from your website. The http protocol is not used in the href value*.

Which tag is used to link web pages to each other?

*<a>*

Which tag configures the next element or portion of text to display on a new line?

*<br>*

Which tag pair configures a structural area on a web page?

*<div> </div>*

Which tag pair is used to create the largest heading?

*<h1> </h1>*

What is the default alignment for elements on a web page?

*Left*

When do you need to use a fully qualified URL in a hyperlink?

*when linking to a web page file on an external site*

Which of the following is a reason that the text contained by the title tag should be descriptive and include the name of the business or org?

1. *The title is saved by default when visitor bookmarks a web page.*
2. *the title may be printed when a visitor prints the page.*
3. *the title may be listed in search engine results.*

Which type of HTML list will automatically number the items for you?

*ordered list*

Which is an HTML5 element used to indicate navigational content?

*Nav*

What does an e-mail link do?

*launches the default email application for the visitors browser, with your email address as the recipient.*

Use the...element to configure text to have strong importance and display in a bold font weight.

*Strong*

...can be used to display characters such as the copyright symbol.

*Special characters*

The<meta> tag can be used to...?

*describe a characteristic of a web page, such as the character encoding.*

the...is used to place a non breaking space on a web page.

*&nbsp;*

Use the...element to configure text to be emphasized and displayed in an italic font style.

*Em*

**Explain why it is good practice to plan the e-mail address on a web page and within the anchor tag when creating an email link.**

-*It's good practice to place the email address both on the web page and within the anchor tag. Not everyone has an email program configured with his/her browser. By placing the email in both places, you increase usability for all your visitors.*

**Checkpoint 3.1**  
  
  
**1. List three reasons to use CSS on a web page.**  
  
**Three reasons to use CSS on a web page are:**

1. **Clean Source Code,**
2. **Separation of Content and Presentation**
3. **Consistency of Page Design**

**2. When designing a page that uses colors other than the default colors for text and background, explain why it is a good reason to configure both the text color and the background color.**  
  
**It is a good reason to configure both the text color and the background color because  the page will not be plain and to attract people to read the page.**  
  
 **3. Describe one advantage to using embedded styles instead of inline styles.**  
  
**Both styles are great for quick fixes or prototyping but embedded styles is easier to cut out of the final prototype and put into an external file when templates are done.**  
  
  
**Checkpoint 3.2**  
  
**1. Describe a reason to use embedded styles. Explain where embedded styles are placed on a web page.**  
  
**A reason to use embedded styles is it allows us to override the rules of an external style sheet. Embedded styles are set in the HEAD section of your web page.**  
  
**2. Describe a reason to use external styles. Explain where external styles are placed and how web pages indicate that they are using external styles.**  
  
**A reason to use external styles is that it can change that one external file, and have that change reflected on every page of your site that links to the external CSS file. Any or all methods of implementing CSS can be used on the same page. An external style is simply a link placed in the HEAD section of your web page to a separate file containing your style rules.**  
  
**3. Write the code to configure a web page to associate with an external style sheet called mystyles.css.**  
  
**body {  
    background-color: lightblue;  
}  
  
h1 {  
    color: navy;  
    margin-left: 20px;  
}**