

PROG8166 Assignment 1

Student Name : Valani Pankaj

Student Number : 8889189

Email : pvalani9189@conestogac.on.ca

Student Name : Harit Thoriya

Student Number : 8953007

Email : hthoriya3007@conestogac.on.ca

1. What is HTML5? Describe it in your own words, including for which applications it could be used, along with an example application.

Answer :

- HTML5 full form is HyperText Markup Language.
- HTML5 is the latest version.
- Main use of HTML5 is for developing and designing web pages and applications.
- And also support functionality like multi-media, audio, video etc.
- Used HTML5 image, animation view, Video stream, live Tv show, E commerce website development.

❖ HTML5 use below some application list :

- Google Doc
- Zoho
- HTML5 slides apps
- Aviary
- Scribd
- Hootsuite
- Angry Birds
- Facebook Mobile app

2. Explain and provide an example of each of the following: <body>, <head>, <html>, <p>, HTML5 document declaration

Answer :

<html>

- This tag is the entry point of file <html> start and </html> close in this tag. We write all other tags like that <head> and <body> part tag here.

Ex:

<html>

.....

//Here write another tag like head and body tag

.....
</html>

<head>

- This tag is used to provide document header titles and some of the declaration and initialization of HTML web pages.
- Inside this tag, we also declare external and internal style sheets.
- In this tag contents like <title>,<meta>,<link>,<style>.

Ex:

<head>

<title>This is Web Design and Development Assignment</title>

</head>

<p>

- This tag is used to make paragraphs on a webpage. It is mostly used inside the body tag.

Ex:

<p>This is my blog website. And you can visit my latest blog to read and give suggestions.</p>

<body>

- This tag contains a main designing part of the webpage app which design appears on the screen .
- In this tag contents like heading,paragraph,image,link,table etc.

Ex:

<body>

<h1>This is my first demo app</h1>

<p>This is my portfolio you can visit now</p>

</body>

3. Differentiate between b and strong, and between em and i,and provide examples of each

Answer :

 V/S

- Both tags are used for formatting text as bold.
- tag used only when bold text,word,paragraph but not any special meaning.
- tag use when show strong instruction and some important restriction information highlight for users this case use this tag.

Ex:

<p>This Assignment Deadline 1 October.</p>

<p>This Assignment Completed as soon as possible.</p>

 V/S <i>

- Both tag italicize text.
- this tag used for emphasis. Some most important words.

- `<i>` tag used for only italicizing text not emphasis word.

Ex:

```
<p><em>This Assignment Deadline 2 October.</em></p>
<p><i>This Assignment Completed as soon as possible.</i></p>
```

4. Consider the poem problem, as shown below: while we would like for each line in the poem to be shown separately, Web browsers will render this paragraph as a single line. Propose two solutions to the problem such that the poem is shown with each line rendered separately.

Answer :

Solution 1:

```
<p>
  My Bonnie lies over the ocean.<br>
  My Bonnie lies over the sea.<br>
  My Bonnie lies over the ocean.<br>
  Oh, bring back my Bonnie to me.<br>
</p>
```

- `
` tag use for line break.

Solution 2:

```
<p >
<pre>
My Bonnie lies over the ocean.
My Bonnie lies over the sea.
My Bonnie lies over the ocean.
Oh, bring back my Bonnie to me.
</pre>
</p>
```

- `<pre>` tag is used to print text as it is written in coding. If there is any space or line break then it is included in output also.

5. What is referenced in the middle part of the figure that appears below, where the question mark is shown? Explain

Answer : The middle part of the figure referenced the specification.

Definition : This specification defines a big part of the web platform, in lots of detail. Its place in the web platform specification stack relative to other specifications can be best summed up as shown in figure. (Reference : <https://html.spec.whatwg.org/multipage/introduction.html#introduction>)

The web application can not be developed by only HTML or CSS. This figure shows that, for the excellent web page and designing, there are a number of services available and with the help of it, the perfect Web Application development is possible which is called “The Specification”.

6. For each of the quotations below, specify which element would be most appropriate to apply, and why.

Answer :

- (a)
- **Why:** This is the <q> element because this represents a general quotation statement which gives the good thoughts. Therefore, it should be displayed as a different text.

<q>

A man who makes a mistake and doesn't correct it is making two mistakes.

</q>

- (b)
- **Why:** This is part of the main subject so does not require any special formatting text so one kind of using paragraph element <p> tag.

<p>

For nearly 60 years, WWF has been protecting the future of nature. The world's leading conservation organization, WWF works in 100 countries and is supported by more than one million members in the United States and close to five million globally.

</p>

- (c)
- **Why:** This matches the element to represent a statement with its own importance because someone gives the surety, so it is emphasized text.

Do not worry about your difficulties in mathematics;
I can assure you that mine are still greater

- (d)
- **Why:** It provides information about main subjects like conestoga college. So this is one kind of paragraph. So <p> tag will be more appropriate.

<p>

Established in 1967, Conestoga now serves approximately 23,000 registered students through campuses and training centers in Kitchener, Waterloo, Cambridge, Guelph, Stratford, Ingersoll and Brantford and is a provincial leader in apprenticeship training.

</p>

- (e)
- **Why:** This is a quote because this statement represents a difficult situation. One kind of motivation is to type this statement. So, strong importance is required.

Everything should be made as simple as possible, but not simpler.

7. Differentiate between and provide examples of absolute addressing and relative addressing in hyperlinks.

Answer :

1.Absolute Addressing:

- ❖ Absolute addressing use for completed and clear URL of file path decided the position of the linked resource. It provides a path from root to the resource. So that it is independent of the current location to link documents.
- ❖ In this type in includes the domain name, IP address,protocol (like http:// & https://)
- ❖ **Web URL Link :** <https://www.xyz.com/title.txt>
- ❖ **File Path Link :** C:\Users\xyz\upload\resume.pdf

2.Relative Addressing:

- ❖ Relative addressing used to only provide the location of the resource which is relative to the current website. It means that the location is part of that website which has the pre URL part the same.

Example:

1. <a href= "<https://www.xyz.com/title>">
2.

Here, the second tag will be used to direct the location on **books** part of the current website while the first tag can direct to any webpage with complete URL or on the other web page also from the current web site.

8. Rewrite each of the following such that it produces the same result.

Answer :

(a)

- **margin:** 1px 2px 4px 8px;

(b)

- **margin:** 16px 32px;

(c)

- **margin:** 64px;

(d)

- **margin-top** : 128px;
- **margin-right** : 256px;
- **margin-bottom** : 128px;
- **margin-left** : 256px;

(e)

- **margin-top** : 512px;
- **margin-right** : 512px;
- **margin-bottom** : 512px;
- **margin-left** : 512px;

9. The following code block produces one error and one warning from W3C Markup Validation Service. Describe, in your own words, the error and warning, and provide a concrete solution that solves them.

Answer :

Error:

- **<head>** section in missing character encoding declaration issues.
- If missing character encoding then web browser in character rendering problem comes.

Warning:

- Warning shows when **<meta>** tag is missing. Actually this is not an error but the **<meta>** tag provides a summary of the webpage.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="description" content="Short information your web page.">
```

```
<title>Web Page Title</title>
```

```
</head>
<body>
  <h1>First-level Heading</h1>
  <p>Paragraph.</p>
</body>
</html>
```

10. Correct all errors and warnings from the code block below.

Answer :

```
<!DOCTYPE html>
<html>
<body>
  <h1>A Heading</h1>
  <p>A <br>paragraph with a line break.</p>
  <a href="#">Hyperlink</a>
  
  <strong>Bolded text</strong>
  <!-- Comment. -->
</body>
</html>
```