

## Assignment module : 3.

### Assignment 1: short Answer Questions.

- What is the use of heading tag `<h1>` to `<h6>`?  
Heading tags `<h1>` to `<h6>` define HTML heading from most important (`<h1>`) to least important (`<h6>`).
- What is the difference between `<h1>` to `<h6>`?  
`<h1>` is the highest-level, most important heading while `<h6>` is the lowest-level least important heading in HTML.
- What is the purpose of the `<p>` tag?  
The `<p>` tag is used to define a paragraph in HTML.
- What is the difference between `<br>` & `<hr>`?  
`<br>` insert a line break, while `<hr>` creates a horizontal rule & a thematic divider in HTML.
- What is the difference between `<b>` & `<strong>`?  
`<b>` makes bold text for style, `<strong>` bold text to indicate importance.
- What is the difference between `<i>` & `<em>`?  
`<i>` italicizes text for style, `<em>` italicizes text to indicate emphasis.
- What is the use of `<mark>` tag?  
`<mark>` tag is highlights text to indicates relevance or importance.

Where do we use `<small>` tag in real websites?  
The `<small>` tag is used to display secondary or less important text, such as copyright notices, disclaimers or helper text, on real website.

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- g) what is the use of `<del>` tag?  
→ The `<del>` tag is used to show text that has been removed or is no longer valid by displaying it with strikethrough.
- 10) Explain the use of `<sup>` & `<sub>` with example.  
→ The `<sup>` tag displays superscript text ~~above~~ of the text.  
For ex.  $E = mc^2$   
The `<sub>` tag displays subscript text  
For ex.  $H_2O$ .

Assignment # 2 Identify the output.

```
<h1> HTML course</h1>
<p> this is <b> important </b> & <i> easy </i> to learn
<p> price: <del> £3000 </del> £1500 </p>
<p> H<sub>2</sub> <sub>O</sub> & 10<sup>2</sup><sup>2</sup> </p>
```

Output

HTML Course

This is important Easy to learn

price £3000 £1500

$\Leftrightarrow H_2O$

## Short Answer Questions

- 1) what is the <a> tag?   
The <a> tag is the anchor tag in HTML used to get hyperlinks.
- 2) what is the syntax of the <a> tag?  
<a href = "https://www.google.com">visit google</a>
- 3) what is the difference between absolute & relative Path?  
Absolute Path: specifies the full URL or complete location of a file. e.g. (googleimages).  
Relative Path: specifies the file location relative to the current file e.g (images/file.jpg).  
Give an example of an absolute path.  
Google img, social media domain, chatgpt.
- 4) Give an example of an relative path?  
images/olimg.png.
- 5) why is the alt attribute important in images?
  - ① The image is failed to loaded.
  - ② The alt attribute is an <img> tag is important because it provides alternative text, then img.
- 6) what is the use of height & width?  
The height & width tag used is set of the size of an images.
- 7) width: specifies the horizontal size of images.
- 8) height: specifies the vertically of images.

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→ How can you open a link a new tab?  
target = "blank".

→ What is an images link?  
<img src = " " ;>

Assignment 5: Fill in the blanks.

① The tag used to create a hyperlink links <a href = " " >

② The attribute that specifies the images Path is <img src = " " >

③ The attribute used to open a link a new tab?  
target = "blank".

④ The text show when a images does not loaded  
is called alt.

⑤ The tag used to display an images is <img>

Assignment 6: Real-life scenario.

You create a college website.

Answer the following

① Where will you hyperlink on the website?  
Use link in the navbar for Home, about, Contact  
See our work.

② Use of section of the other links.

③ ~~Footer~~ use in Footer.

② where will you use images?

use images in the <section> or <aside> of a website.

③ which path will you use for internal pages? why  
Ans. For internal pages, relative paths should be used, because they refer to files within the same website folder structure making the website easier to manage & move without breaking link.

### Assignment 9: Interview-oriented questions.

1) Why should only one <h1> be used per page?

Ans. Only one <h1> should be used per page because it represents the main heading ensures SEO, clarity & professionalism, which is important then important of website.

2) What happens if alt attribute is missing?

Ans. If the alt attribute is missing the images won't be accessible to screen readers, search engines can't understand it, & it reduces SEO, usability & professionalism, which is important of the website.

3) Can an image be used as a link? Explain how.

Ans. Yes, an image can be used as a link by placing the <img> tag inside an <a> (anchor)

tag, so clicking the image redirects the user to anchor pages.

Expt.

Q) why are relative paths preferred in real projects?

→ Relative paths are preferred in real project because they make the website easy to maintain & portable as links continues to work even if the site is moved to a different server or domain, which is important for professional website project.