

# ASSIGNMENT 1B



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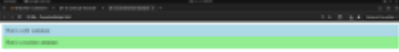
## ACTIVITY 4:

Trace the output for the following elements and infer the similarities and differences

### 1. Div and span



Screenshot code	Screenshot output
<p>&lt;Paste screenshot code&gt;</p>  <pre>1 &lt;!DOCTYPE html&gt; 2 &lt;html lang="en"&gt; 3 &lt;head&gt; 4   &lt;meta charset="UTF-8"&gt; 5   &lt;title&gt;Div and Span Example&lt;/title&gt; 6 &lt;/head&gt; 7 &lt;body&gt; 8   &lt;div style="background-color: lightblue;"&gt; 9     This is a div container 10    &lt;span style="background-color: pink;"&gt;This is a span inside div&lt;/span&gt; 11  &lt;/div&gt; 12 &lt;/body&gt; 13 &lt;/html&gt;</pre>	<p>&lt;Paste screenshot O/P&gt;</p>  <p>This is a div container This is a span inside div</p>
<p>Div – Block-level element that takes full width and creates new lines Span – Inline element that only takes necessary space and flows within text Inference - Divs are used for layout sections while spans are for inline text styling</p>	

### 2. Div and section



Screenshot code	Screenshot output
<p>&lt;Paste screenshot code&gt;</p>  <pre>1 &lt;!DOCTYPE html&gt; 2 &lt;html lang="en"&gt; 3 &lt;head&gt; 4   &lt;meta charset="UTF-8"&gt; 5   &lt;meta name="viewport" content="width=device-width, initial-scale=1.0"&gt; 6   &lt;title&gt;Div and Section Example&lt;/title&gt; 7 &lt;/head&gt; 8 &lt;body&gt; 9   &lt;div style="background-color: lightblue; padding: 10px;"&gt; 10     This is a div container 11   &lt;/div&gt; 12   &lt;section style="background-color: lightgreen; padding: 10px;"&gt; 13     This is a section container 14   &lt;/section&gt; 15 &lt;/body&gt; 16 &lt;/html&gt;</pre>	<p>&lt;Paste screenshot O/P&gt;</p>  <p>This is a div container</p>

Div – Generic container with no semantic meaning  
 Section– Semantic container that represents a thematic grouping of content  
 Inference -Section should be used when content is thematically related, div for generic grouping

### 3. Paragraph and article

Screenshot code	Screenshot output
<p>&lt;Paste screenshot code&gt;</p>  <pre> 1 &lt;!DOCTYPE html&gt; 2 &lt;html lang="en"&gt; 3 &lt;head&gt; 4 5 &lt;title&gt;Paragraph and Article Example&lt;/title&gt; 6 &lt;/head&gt; 7 &lt;body&gt; 8 9 &lt;article&gt; 10 &lt;h2&gt;Article Title&lt;/h2&gt; 11 &lt;p&gt;This is a paragraph inside an article.&lt;/p&gt; 12 13 &lt;/article&gt; 14 &lt;/body&gt; 15 &lt;/html&gt; </pre>	<p>&lt;Paste screenshot O/P&gt;</p>  <p>Article Title</p> <p>This is a paragraph inside an article.</p>
<p>Paragraph– Represents a block of text          Article– Self-contained composition that can include multiple paragraphs          Inference - Articles are used for complete content pieces while paragraphs are for text blocks</p>	

### 4. Navigation and anchor



Screenshot code	Screenshot output
<p>&lt;Paste screenshot code&gt;</p>  <pre> 1 &lt;!DOCTYPE html&gt; 2 &lt;html lang="en"&gt; 3 &lt;head&gt; 4 5 &lt;title&gt;Navigation and Anchor Example&lt;/title&gt; 6 &lt;/head&gt; 7 &lt;body&gt; 8 9 &lt;nav&gt; 10 &lt;a href="#home"&gt;Home&lt;/a&gt; 11 &lt;a href="#about"&gt;About&lt;/a&gt; 12 &lt;/nav&gt; 13 14 &lt;/body&gt; 15 &lt;/html&gt; </pre>	<p>&lt;Paste screenshot O/P&gt;</p>  <p>Home About</p>
<p>Navigation– Container element for major navigation blocks          Anchor – Creates hyperlinks to other content          Inference - Nav elements typically contain multiple anchor elements for site navigation</p>	

### 5. Figure and image

Screenshot code	Screenshot output
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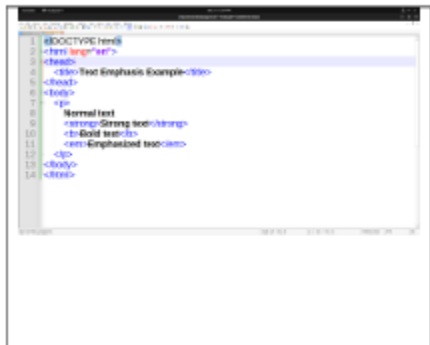

<p>&lt;Paste screenshot code&gt;</p> 	<p>&lt;Paste screenshot O/P&gt;</p> 
<p>Figure– Container for illustrations, diagrams, photos, code listings  Image– Represents a single image  Inference - Figure adds context and can include captions to images</p>	

### 6. Label and legends

Screenshot code	Screenshot output
<p>&lt;Paste screenshot code&gt;</p> 	<p>&lt;Paste screenshot O/P&gt;</p> 
<p>Label – Associates text with form inputs  Legends– Provides caption for fieldset elements  Inference - Both provide descriptive text but serve different structural purposes</p>	

### 7. Strong vs bold vs emphasis tag

Screenshot code	Screenshot output
<Paste screenshot code>	<Paste screenshot O/P>

 <pre>1 &lt;!DOCTYPE html&gt; 2 &lt;html lang="en"&gt; 3 &lt;head&gt; 4 &lt;title&gt;Test Emphasis Example&lt;/title&gt; 5 &lt;/head&gt; 6 &lt;body&gt; 7 &lt;p&gt; 8   Normal text 9   &lt;strong&gt;Strong text&lt;/strong&gt; 10  &lt;b&gt;Bold text&lt;/b&gt; 11  &lt;em&gt;Emphasized text&lt;/em&gt; 12 &lt;/p&gt; 13 &lt;/body&gt; 14 &lt;/html&gt;</pre>	 <p>Normal text Strong text Bold text Emphasized text</p>
<p>Strong- Indicates strong importance (semantic) Emphasis- Visual styling only (presentational) Bold- Stressed emphasis (semantic) Inference - Strong and emphasis carry semantic meaning while bold is purely visual</p>	

## Activity 5 :

[https://drive.google.com/drive/folders/1pZ06CoyLjjUkI1\\_dRNFlv2oqguU-cuZ](https://drive.google.com/drive/folders/1pZ06CoyLjjUkI1_dRNFlv2oqguU-cuZ)