



## **BCSE203E- Web Programming**

### **Activity -21.1.2.2024**

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*SLOT: L3+L4+L23+L24*

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

#### 1. Div and span

Screenshot code	Screenshot output
<pre>&lt;body&gt;   &lt;h2&gt;Div vs Span&lt;/h2&gt;   &lt;div&gt;This is a div&lt;/div&gt;   &lt;span&gt;This is a span&lt;/span&gt;</pre>	<b>Div vs Span</b>  This is a div This is a span
Div - Block-level container for grouping elements. Span - Inline container for styling or scripting specific text. Inference - <div>is for layout and structure;<span> is for inline styling	

#### 2. Div and section

Screenshot code	Screenshot output
<pre>&lt;h2&gt;Div vs Section&lt;/h2&gt; &lt;div&gt;This is a div&lt;/div&gt; &lt;section&gt;This is a section&lt;/section&gt;</pre>	<b>Div vs Section</b>  This is a div This is a section
Div - Generic block-level container with no semantic meaning. is for generic use; conveys meaning in document structure. Section - Semantic block to group related content. Inference - <div>is for generic use; <section>conveys meaning in document structure.	


### 3. Paragraph and article

Screenshot code	Screenshot output
<pre>&lt;h2&gt;Paragraph vs Article&lt;/h2&gt; &lt;p&gt;This is a paragraph.&lt;/p&gt; &lt;article&gt;   &lt;h2&gt;Article Title&lt;/h2&gt;   &lt;p&gt;This is an article with its own content.&lt;/p&gt; &lt;/article&gt;</pre>	<p><b>Paragraph vs Article</b></p> <p>This is a paragraph.</p>
<p>Paragraph - Represents a block of text.  Article - Self-contained content like blog posts or news.  Inference - is for individual text blocks; is for reusable, standalone content.</p>	

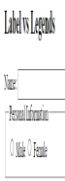
### 4. Navigation and anchor

Screenshot code	Screenshot output
<pre>&lt;h2&gt;Navigation vs Anchor&lt;/h2&gt; &lt;nav&gt;   &lt;a href="#home"&gt;Home&lt;/a&gt;   &lt;a href="#about"&gt;About&lt;/a&gt; &lt;/nav&gt; &lt;a href="https://example.com"&gt;Visit Example&lt;/a&gt;</pre>	<p><b>Article Title</b></p> <p>This is an article with its own content.</p>
<p>Navigation - Groups multiple links for site navigation.  Anchor - Creates a hyperlink to navigate or link resources.  Inference - is for link groups; is for individual links.</p>	

### 5. Figure and image

Screenshot code	Screenshot output
<pre>&lt;h2&gt;Figure vs Image&lt;/h2&gt; &lt;figure&gt;   &lt;img src="moovit.png" alt="Image"&gt;   &lt;figcaption&gt;caption&lt;/figcaption&gt; &lt;/figure&gt; &lt;img src="moovit.png" alt="Image"&gt;</pre>	
<p>Figure - Groups an image with a caption. Image: Displays a standalone image.  Image - Displays a standalone image.  Inference - &lt;figure&gt; adds context; &lt;image&gt; is for basic image display</p>	

## 6. Label and legends

Screenshot code	Screenshot output
<pre> &lt;h2&gt;Label vs Legends&lt;/h2&gt; &lt;form&gt;   &lt;label for="name"&gt;Name:&lt;/label&gt;   &lt;input type="text" id="name"&gt;   &lt;fieldset&gt;     &lt;legend&gt;Personal Information&lt;/legend&gt;     &lt;input type="radio" name="gender" value="male"&gt; Male     &lt;input type="radio" name="gender" value="female"&gt; Female   &lt;/fieldset&gt; &lt;/form&gt; </pre>	
<p>Label - Associates text with a form control.</p> <p>Legends - Describes a group of related form controls in a &lt;field set&gt;</p> <p>Inference - targets single inputs; groups fields contextually</p>	

## 7. Strong vs bold vs emphasis tag

Screenshot code	Screenshot output
<pre> &lt;h2&gt;Strong vs Bold vs Emphasis&lt;/h2&gt; &lt;strong&gt;This text is strong&lt;/strong&gt;&lt;br&gt; &lt;b&gt;This text is bold&lt;/b&gt;&lt;br&gt; &lt;em&gt;This text is emphasized&lt;/em&gt; &lt;/body&gt; &lt;/html&gt; </pre>	<p><b>Strong vs Bold vs Emphasis</b></p> <p><b>This text is strong</b></p> <p><b>This text is bold</b></p> <p><i>This text is emphasized</i></p>
<p>Strong - Semantically important, renders bold.</p> <p>Emphasis - Indicates stressed text, renders italicized.</p> <p>Bold - Bold text with no semantic meaning.</p> <p>Inference - conveys importance; is presentational; <i>adds emphasis</i>.</p>	