



BCSE203E- Web Programming

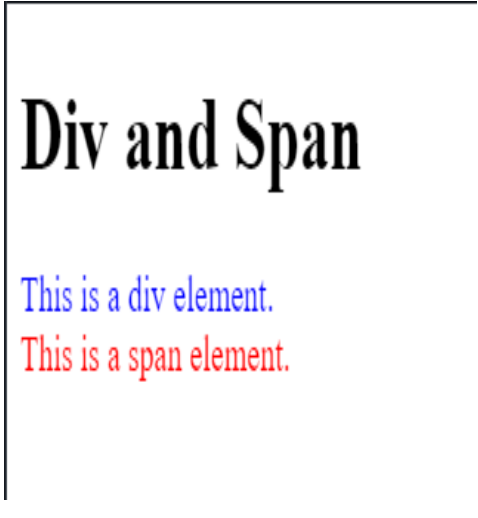
Activity -21.1.2.2024

NAME= DIVYANSH YADAV

REG NO 23BCT0112

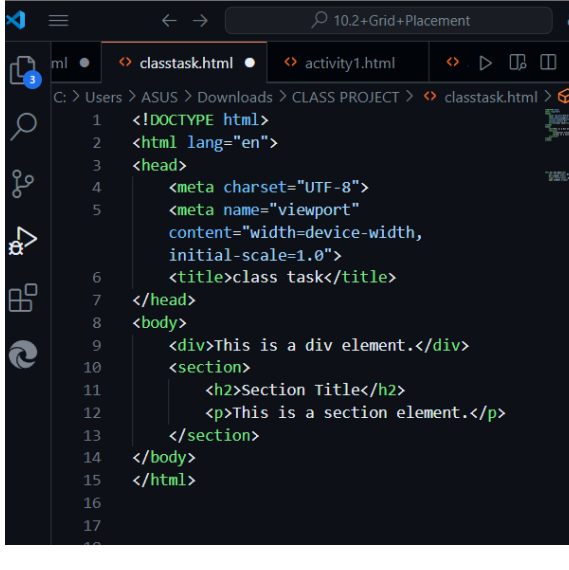
Trace the output for the following elements and infer the similarities and differences

1. Div and span

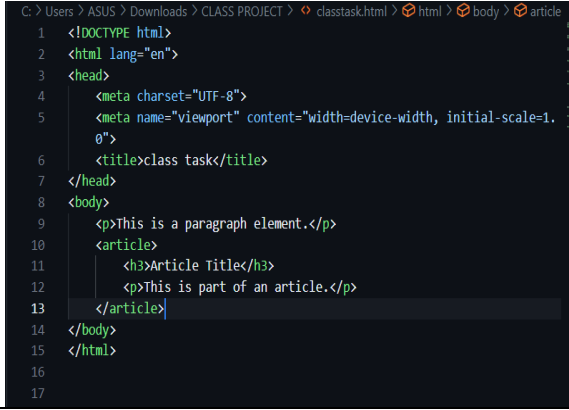
Screenshot code	Screenshot output
<pre>C: > Users > ASUS > Downloads > CLASS PROJECT > classtask.html > html 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 6 <title>class task</title> 7 </head> 8 <body> 9 <h1>Div and Span</h1> 10 <div style="color: blue;">This is a div 11 element.</div> 12 This is a span 13 element. 14 </body> 15 </html></pre>	
<p>Div – Displays block-level content in blue. Span – Displays inline content in red. Inference – Div: A block-level element; it creates a new line by default. Span: An inline element; it does not create a new line and is used for styling specific parts within a block.</p>	

2. Div and section

Screenshot code	Screenshot output
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 <pre> 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" 6 content="width=device-width, 7 initial-scale=1.0"> 8 <title>class task</title> 9 </head> 10 <body> 11 <div>This is a div element.</div> 12 <section> 13 <h2>Section Title</h2> 14 <p>This is a section element.</p> 15 </section> 16 </body> 17 </html> </pre>	<p>This is a div element.</p> <h2>Section Title</h2> <p>This is a section element.</p>
<p>Div – Generic container with no semantic meaning. Section– Semantically groups content and can have headings. Inference – Div: Used as a general-purpose container. Section: Provides semantic meaning, indicating a thematic grouping of content.</p>	

3. Paragraph and article



Screenshot code	Screenshot output
 <pre> 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 6 <title>class task</title> 7 </head> 8 <body> 9 <p>This is a paragraph element.</p> 10 <article> 11 <h3>Article Title</h3> 12 <p>This is part of an article.</p> 13 </article> 14 </body> 15 </html> </pre>	<p>This is a paragraph element.</p> <h3>Article Title</h3> <p>This is part of an article.</p>
<p>Paragraph– Represents a single block of text. Article– Represents self-contained content like a blog post or news story. Inference – Paragraph: A single block of text with no context. Article: Groups related content together, providing semantic context.</p>	

4. Navigation and anchor

Screenshot code	Screenshot output

<pre> 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 6 <title>class task</title> 7 </head> 8 <body> 9 <nav> 10 Home About Contact 11 </nav> 12 Visit Example 13 </body> 14 </html> 15 </pre>	
<p>Navigation– A block containing a group of links for website navigation.</p> <p>Anchor – A single hyperlink to a specific location.</p> <p>Inference –</p> <ul style="list-style-type: none"> Navigation: Used to group navigation links. Anchor: Used for individual hyperlinks. 	

5. Figure and image

Screenshot code	Screenshot output
<pre> 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 6 <title>class task</title> 7 </head> 8 <body> 9 <figure> 10 11 <figcaption>This is a figure with a caption.</figcaption> 12 </figure> 13 14 </body> 15 </html> 16 </pre>	 <p>This is a figure with a caption.</p> 
<p>Figure– Contains an image with a caption.</p> <p>Image– Displays an image without additional context.</p> <p>Inference –</p> <ul style="list-style-type: none"> Figure: Groups an image with a related caption. Image: Represents only the visual content. 	

6. Label and legends

Screenshot code	Screenshot output

<pre> C: > Users > ASUS > Downloads > CLASS PROJECT > classtask.html > ... 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 6 <title>class task</title> 7 </head> 8 <body> 9 <form> 10 <label for="name">Name:</label> 11 <input type="text" id="name"> 12 <fieldset> 13 <legend>Personal Information</ legend> 14 <input type="radio" id="male" name="gender" value="male"> 15 <label for="male">Male</ label>
 16 <input type="radio" id="female" name="gender" value="female"> 17 <label for="female">Female</ label> 18 </fieldset> 19 </form> 20 </body> 21 </html> 22 23 24 </pre>	<div> Name: <input type="text"/> </div> <div> Personal Information <div> <input type="radio"/> Male <input type="radio"/> Female </div> </div>
<p>Label –Used to associate text with form inputs.</p> <p>Legends– Provides a title for grouped form elements.</p> <p>Inference –</p> <ul style="list-style-type: none"> • Label: Tied to individual input elements. • Legend: Provides context for grouped inputs within a fieldset. 	

7. Strong vs bold vs emphasis tag

Screenshot code	Screenshot output
<pre> ml ● classtask.html ● activity1.html C: > Users > ASUS > Downloads > CLASS PROJECT > classtask.html > ... 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 6 <title>class task</title> 7 </head> 8 <body> 9 <p>This is strong text.</ strong></p> 10 <p>This is bold text.</p> 11 <p>This is emphasized text.</p> 12 </body> 13 </html> 14 15 16 17 18 </pre>	<div> This is strong text. </div> <div> This is bold text. </div> <div> <i>This is emphasized text.</i> </div>
<p>Strong– Text appears bold with semantic emphasis.</p> <p>Emphasis– Text appears italicized, indicating stress or emphasis.</p> <p>Bold- Text appears bold with no semantic meaning.</p> <p>Inference –</p>	

Strong: Indicates important text semantically.

Bold: For visual emphasis without semantic context.

Emphasis: Indicates stress or emphasis semantically, displayed as italicized text.