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Web programming Assignment two

Question 1) Compare between section and article tags

A) section tags:

They are a thematic grouping of elements that usually have a heading and are used for group related content if it is under a common theme, they are not necessarily self contained and usually a part of a large document.

B) Article tags:

They represent self contained independent content that can be distributed separately and are used for standalone content like blog posts, news articles, or user comments.

Question 2) List the block and inline elements according to HTML 5?

A) block elements:

Block-level elements start on a new line and take up the full width available.

1) Structural Elements

`<html>` Root element of an HTML document

`<head>` Contains metadata about the document

`<body>` Contains the main content

`<header>` Represents introductory content

`<nav>` Contains navigation links

`<section>` Defines a section in a document

`<article>` Represents an independent piece of content

`<aside>` Represents content related to the main content

`<footer>` Represents the footer of a document

2) Textual Content:

`<h1>` to `<h6>` Headings of different levels

<p> Defines a paragraph

<blockquote> Defines a block of quoted text

<pre> Preformatted text (maintains spaces and line breaks)

<hr> Horizontal rule (divides sections visually)

<address> Contact information

3) lists:

 Unordered list

 Ordered list

 List item

4) Tables:

<table> Defines a table

<thead> Groups header content in a table

<tbody> Groups body content in a table

<tfoot> Groups footer content in a table

<tr> Table row

<th> Table header cell

<td> Table data cell

5) Forms:

<form> Creates a form

<fieldset> Groups related form controls

<legend> Provides a caption for a <fieldset>

<label> Label for an input element

B) Inline elements:

Inline elements do not start on a new line and only take up as much width as needed.

1) Text Formatting:

<a> Anchor (hyperlink)

 Generic inline container

 Bold text

 Bold text

 Italic text

<i> Italic text

<small> Small text

<mark> Highlighted text

<sup> Superscript text

<sub> Subscript text

<cite> Citation for a reference

<code> Inline code snippet

<var> Defines a variable

2) Forms & Inputs:

<input> Input field

<button> Clickable button

<select> Dropdown list

<option> Options inside a <select>

<textarea> Multi line text input

<label> Label for input elements

3) Media & Content:

 Image

 Line break

<hr> Horizontal rule (also block-level)

<wbr> Optional line break

<time> Represents a date/time

<abbr> Abbreviation

<dfn> Definition of a term