HTML

Session 1: Introduction to HTML and Basic Elements

1. Introduction to Web Development:

- Overview of HTML, CSS, and JavaScript.

- Understanding the role of each in web development.

2. Introduction to HTML Tags:

- Overview of HTML syntax and structure.

3. Main Tags:

- `<head>`: Structure and content.

- `<body>`: Structure and content.

4. Title Tag in the Head:

- `<title>`: Importance and usage.

5. Text Tags:

- Headings: `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, `<h6>`.

- Paragraph: `<p>`.

6. Formatting Tags:

- `<hr>`, `<br>`, `<i>`, `<b>`, `<small>`, `<mark>`, `<del>`.

7. Attributes:

- Overview of HTML attributes and usage.

8. Hyperlinks:

- `<a href="">`: Structure and attributes.

- `target` attribute: `_blank`, `_self`, `_parent`, `_top`, and custom targets.

9. Images:

- `<img src="" alt="">`: Usage and attributes.

Session 2: Forms and Interactive Elements

1. Comments:

- Adding comments in HTML: `<!-- Comment -->`.

2. Center Tag:

- Usage and alternatives.

3. Forms:

- Overview of form elements and structure.

4. Labels:

- `<label for="">`: Association with form elements.

5. Inputs:

- Input types: `text`, `email`, `password`.

- Attributes: `required`, `id`

6. Input Button Types:

- Input types: `button`, `submit`, `reset`.

7. Textarea:

- `<textarea></textarea>`: Usage and attributes

8. Button Tag:

- `<button></button>`: Usage and styling.

Session 3: Lists and Tables

1. Lists:

- Unordered List (`<ul>`) and Ordered List (`<ol>`).

-Description List (`<dl>`), Description Term (`<dt>`), and Description Description (`<dd>`).

2. List Items:

- `<li>`: Usage within lists.

3. Nested Lists:

- Creating lists within lists.

4. Ordered List Attributes:

- Attributes: `reverse`, `start`, and `type`.

5. Tables:

- `<thead>`, `<tbody>`, `<tfoot>`: Structure and content.

6. Table Rows and Cells:

- `<tr>`, `<th>`, `<td>`: Usage and attributes.

7. Table Border:

- Adding and styling borders.

8. Table Caption and Colspan:

- `<caption>`: Adding titles to tables.

- `colspan` attribute: Merging columns.

Session 4: Multimedia and Semantic Elements

1. Audio:

- `<audio>`: Usage and controls.

2. Video:

- `<video>`: Usage, controls, and attributes.

3. Select and Options:

- `<select>`, `<option>`, and `<optgroup>`: Creating dropdown menus.

4. Span and Div:

- `<span>`: Inline container.

- `<div>`: Block container.

5. Semantic Elements:

- `<nav>`, `<header>`, `<section>`, `<article>`, `<footer>`: Structure and usage.

Session 5: Styling and Inline Styles
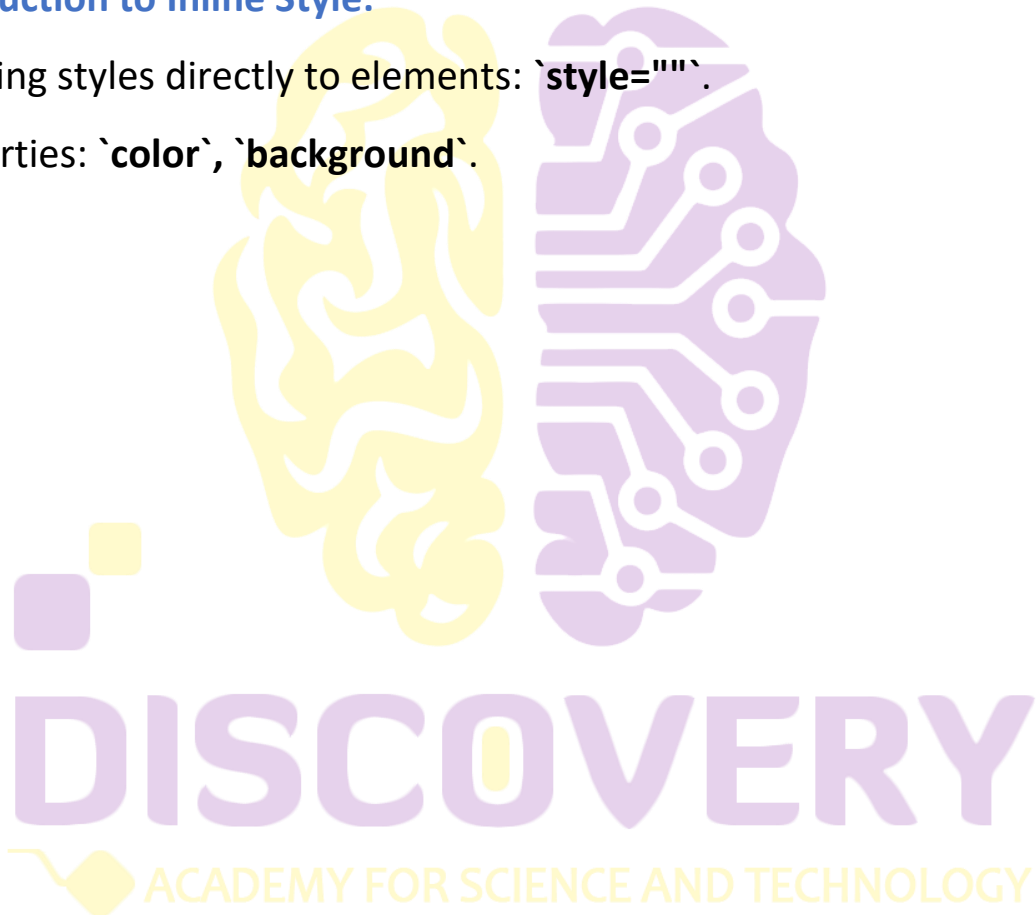
1. Types of Styling:

- Inline, internal, and external styles.

2. Priority of Styling:

- Understanding the cascade and specificity.

3. Introduction to Inline Style:

- Applying styles directly to elements: `style=""`.

- Properties: `color`, `background`.

Session 6: Final Project and Review

1. Final Project:

- Spend one hour completing a comprehensive task that incorporates all the learned elements.

2. Review and Solution:

- Discuss the final project and provide feedback.