Working with HTML and CSS

Flex-box:

Flexbox, also known as Flexible Box Layout, is a CSS module that provides a flexible way to layout and align elements within a container. It is designed to handle the distribution of space and alignment of items in a single row or column.

→ CSS is a style sheet language that defines how HTML elements are displayed.

→ To find out errors in css we can use developer tool in browser.

→ There are two types of CSS layouts to design websites: fluid and fixed.

→ CSS has two types of frameworks:

- Utility-first frameworks, which provide utility classes to help in building one's own styles and layouts.

- Component frameworks, which provide a wide selection of pre-styled components and templates that can be implemented onto a website.

- Plain (Vanilla) CSS lets developers write the styles and layouts of a website.

Creating a simple web page :

HTML5 Input elements:

1. <input type="text" id="name" name="name" required minlength="4" maxlength="8" size="10">

2. <input type="date"> etc

3. The `<li>` HTML element is used to represent an item in a list.

How to use css:

1. Create a CSS file

2. Link CSS to HTML

3. Select an element

4. Apply styles

5. save and refresh your page

Inline CSS:

Inline CSS is when you apply CSS styles directly within the HTML tags using the `style` attribute.

Example: `<h1 style="color: red;">Hello World</h1>`

Internal CSS:

Internal CSS is when you embed CSS styles within the HTML file using the `<style>` tags in the `<head>` section.

```
<head>
  <style>
    h1 {
      color: red;
    }
  </style>
</head>
<body>
  <h1>Hello World</h1>
</body>
```

External CSS:

External CSS involves creating a separate CSS file with a `.css` extension.

```
<head>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <h1>Hello World</h1>
</body>
```