Elements in HTML are primarily “inline” or “block” elements.

- An inline element allows content to flow around its left and right sides.
- A block element fills the entire line and nothing is displayed on its left or right side.

The CSS `display` property allows you to specify the type of box used for an HTML element.
The HTML `<div>` tag can be used to give your page structure.

Like the `<span>` tag, it has no specific meaning except to outline a section of content.

The `div` tag is only used in the body section of an HTML document.

Initially, this structure will not be visible to the user.

Used in conjunction with CSS, we will have more control over the form and layout of web pages.
Page Layout

There are several ways to design the layout of a web page with CSS.

• CSS float property
• CSS positioning
• CSS flexible box
• CSS grids
The CSS `float` property allows you to position block elements inline. This means that any element, block or inline, can be positioned alongside another element. The CSS `float` property is one of the main techniques of web page layout.
The CSS `position` property specifies the type of positioning used for an element on a page.

- **static**: Elements are render in order, as they appear in the document flow (this is the default)
- **absolute**: Element is positioned relative to its first positioned (not static) parent element
- **fixed**: Element is positioned relative to the browser window
- **relative**: Element is positioned relative to its normal position
Flexible box, or flexbox, is a new layout mode in CSS3 that is becoming increasingly common on web pages.

Flexbox consists of flexible containers and flexible items within.

A flex container expands items to fill available free space or shrinks them to prevent overflow.

In practice, flexbox can accommodate different screen sizes and different display devices more easily than the CSS float property.
Page Layout

CSS Grid

Web pages are often laid out using grid systems.

CSS grids are intended to make this process more intuitive by defining a grid and then specifying where content should be placed within it.

CSS grid layout is an experimental feature that is not widely supported across browsers yet.