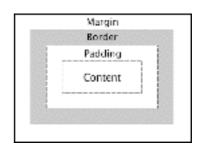# CSS LAYOUT

DISPLAY:

inline	*Make a block-level element act like an inline element.*
inline-block	*Make a block-level element flow like an inline element, while retaining width, height, padding, and margin.*
block	*Make an inline element act like a block-level element*
none	*Hide an element from the page.*

BOX MODEL:

FLEX CONTAINER PROPERTIES

display	*flex*
flex-direction	*row, column*
flex-wrap	*wrap, nowrap*
justify-content	*flex-start, flex-end, center, space-between, space-around*

HTML5 SECTIONING ELEMENTS

<header>	*Defines a header for a section or page*
<nav>	*Defines navigation links*
<article>	*Defines an article*
<aside>	*Defines content away from the page content*
<footer>	*Defines a footer for a section or page*

CSS:

margin (shorthand)	*top right bottom left* `margin: 10px 15px 20px 5px;`
margin-top margin-right margin-bottom margin-left	*px value* `margin-top 20px;`
padding (shorthand)	*top right bottom left* `padding: 10px 15px 20px 5px;`
padding-top padding-right padding-bottom padding-left	*px value* `padding-top: 20px;`

border	*width style color* `border: 2px solid black;`
border-top border-right border-bottom border-left	*width style color* `border-top: 1px solid black;`
height	*px value* `height: 20px;`
width	*px value* `width: 200px;`

STEPS TO ACHIEVE A MULTI-COLUMN LAYOUT:

- ☐ Make sure each column has a wrapper around it in your HTML
- ☐ Give the columns a wrapper (the flex container)
- ☐ Add display:flex to flex container
- ☐ Give each column a width in percentages
- ☐ Use justify-content on flex container to determine how columns are distributed.

```html
<section>
        <article>
            …
        </article>
        <article>
            …
        </article>
        <article>
            …
        </article>
</section>
```

```css
section {
    display: flex;
    justify-content: space-between;
}


article {
    width: 30%;
}
```

SELECTORS:

TYPE	`a {}`
DESCENDANT	`p a {}`
UNIVERSAL	`* {}`
MULTIPLE	`h1, h2 {}`

CLASSES AND IDS:

IDs: IDs are unique

    HTML: `<li id="about"></li>`   **CSS:** `#about {}`

Classes: Classes group elements

                                         CSS: `.first-class {}`

    HTML: `<li class="first-class"></li>`