Calculator Javascript Basics

HTML tag or doctype html tag 🡪 Declares it is an HTML5 document.

It is the root element of HTML Document.

| **Tag** | **Meaning** |
| --- | --- |
| <!DOCTYPE html> | Declares HTML5 document |
| <html lang="en"> | Root of the HTML document, sets language to English |
| <head> | Contains metadata (not visible on page) |
| <meta charset="UTF-8"> | Sets character encoding to UTF-8 |
| <meta name="viewport"...> | Makes the site responsive for mobile |
| <title> | Sets the browser tab title |
| <body> | Contains all the visible content |

Class vs id

The class attribute is used to **group multiple elements** together under a common name so you can style them or manipulate them (with CSS or JavaScript).

The id attribute is used to uniquely identify **a single HTML element**.

Input tag :

Position Properties :

1. Static : Default type of an container
2. Relative : With respect to the window where you want to place top,left,right or bottom.
3. Absolute : First you have to give its parent container property as relative then you can give the container absoslte property.

**3. Is it required?**

* **No**, it’s not strictly required to give a parent position: relative for an absolutely‑positioned child to work.
* **But** if you don’t, the child will look up the tree for any positioned ancestor. If none are found, it will position itself relative to the page’s root (the viewport), which often isn’t what you want.

1. Sticky : wrt its parent container.
2. Fixed : wrt its window.

**4) position: sticky**

* **Your summary:** “wrt its parent container.”
* **More precisely:**
  1. A sticky element acts **like position: relative** until the viewport (or nearest scrollable ancestor) scrolls past a threshold you’ve set with top/bottom/left/right.
  2. Once that threshold is reached, it “sticks” and behaves **like position: fixed**, **but only within the bounds of its parent (or nearest scrolling container)**.
  3. When the parent’s bottom (or right) edge is reached, the sticky element will scroll away again—so it never escapes its container.

**5) position: fixed**

* **Your summary:** “wrt its window.”
* **More precisely:**
  1. A fixed element is **always removed from the document flow** and positioned **relative to the viewport** (the browser window).
  2. It does **not** move when the page scrolls.
  3. It does **not** care about any parent containers—its position is locked to the viewport’s edges.