

POSITIONS

In CSS, positioning is used to control the layout of elements on a web page. There are several positioning properties you can use, and they include:

1. Static Positioning (default):

- This is the default positioning.
- Elements are positioned according to the normal flow of the document.

2. Relative Positioning:

- Positioned relative to its normal position.
- Use ``position: relative;`` to apply relative positioning.
- ``top``, ``right``, ``bottom``, and ``left`` properties can be used to move it from its normal position.

3. Absolute Positioning:

- Positioned relative to the nearest positioned ancestor (instead of positioned relative to the viewport, like fixed).

- Use `position: absolute;` to apply absolute positioning.
- Use `top`, `right`, `bottom`, and `left` to specify the exact position.

4. Fixed Positioning:

- Positioned relative to the viewport, which means it always stays in the same place even if the page is scrolled.
- Use `position: fixed;` to apply fixed positioning.
- Specify `top`, `right`, `bottom`, and `left` properties to position it.

5. Sticky Positioning:

- A hybrid of relative and fixed positioning. The element is treated as relative positioned until it crosses a specified point, then it is treated as fixed positioned.
- Use `position: sticky;` to apply sticky positioning.
- Specify `top`, `right`, `bottom`, and `left` to control the sticky positioning.

Now, let's see some code examples:

```
```css

/* Static Positioning (default) */

.static-box {
```

```
/* No need to specify position for static */
}
```

```
/* Relative Positioning */
.relative-box {
 position: relative;
 top: 10px;
 left: 20px;
}
```

```
/* Absolute Positioning */
.absolute-box {
 position: absolute;
 top: 50px;
 left: 30px;
}
```

```
/* Fixed Positioning */
.fixed-box {
 position: fixed;
```

```
top: 0;
right: 0;
}
```

```
/* Sticky Positioning */
.sticky-box {
 position: sticky;
 top: 20px;
}
...
```

You can apply these classes to your HTML elements like this:

```
```html
<div class="static-box">I'm a static box</div>
<div class="relative-box">I'm a relative box</div>
<div class="absolute-box">I'm an absolute box</div>
<div class="fixed-box">I'm a fixed box</div>
<div class="sticky-box">I'm a sticky box</div>
...
```