



# CSS - Layout, Positioning, and Offset

# Position Property Values

There are five values for the **position** property:

The default position is **static**

The others, which give you more flexibility, are:

- **relative**
- **fixed**
- **absolute**
- **sticky**

# Offset

offset: how far from original something is.

Example:

```
.fixedTop {  
    position: fixed;  
    top: 50px;  
}
```

Elements of this class will be fixed position 50px from  
the top.

# Offset

## offset properties:

- top
- bottom
- left
- right

You can set the offset as pixels or percentages

Note: You will never need to set the offset of more than two values

```
position: relative;
```

Does not change too much, but allows us to use the offset properties.

```
position: fixed;
```

Fixed in one place, even while scrolling.

*See the blue rectangle div in today's do now*

```
position: absolute;
```

Use this to position an element at a set location inside of another positioned element.

A “positioned element” is any element whose position is not static.

*See the white circle div in today's do now*

```
position: sticky;
```

Positions an element based on scroll location.

It will “stick” in place when it reaches the offset value you have assigned.

*See the div in the middle of the paragraphs today's do now*



# z-index

- When we set position properties, we often have elements on top of each other.
- z-index specifies how elements are stacked
- The higher the z-index, the higher the element is on the stack.

# z-index

## Example:

```
.fixedTop {  
    position: fixed;  
    top: 50px;  
    z-index: 2;  
}
```

Elements of this class will be stacked on top of anything with a z-index smaller than 2

# Activity

I would like you to explore the position property of CSS. You can do this one of two ways:

- Create a new pen in Codepen and create anything you want, using position with multiple elements
- Go to your How To web page and explore different ways you can make your web page better by adjusting the position of elements with these values.