

We are creating a simple counter using state in class based component.

We will be creating a simple counter using class based component.

First, we will create a new file, Counter.js

We need to create it as class based component. So we will import react and component from react.

```
import React, { Component } from 'react'
```

Now we will create a class extending to Component class we imported.

```
export class counter extends Component {
```

A general syntax of create a state variable in class based component is,

```
constructor(props) {  
  super(props);  
};  
}
```

Here, the counter class have constructor function which takes in props as a parameter. Within the constructor we call super() method which calls the parent constructor of the Component class.

So Here we will create a state variable , count with value 0.

```
constructor(props) {  
  super(props);  
  this.state = {  
    count: 0  
  };  
}
```

Now we want to display the value of our state variable.

For this, we will simply use {this.state.count}

Now on click of a button, we require to change the value of our state. So we will use this.setState which changes the state of variable of our component. We will declare state we want to change and value we want state to change to. This will be simple addition of 1 to the value of state. So, we want onClick of a button, state variable, count changes its value by increasing by 1.

```
<button class="button" onClick={() => this.setState({ count: this.state.count + 1 })}>
```

Same way, we will create another button such a way, the value of state changes to 0 when value of state goes below 0.

```
<button class="button" onClick={() => (this.state.count > 0 ? this.setState({ count: this.state.count - 1 }) : this.setState({ count: 0 }) )}>
```

Now we will add our required styling in our App.css . This will contain all styling we need in our Counter.js file.

We already have App.css imported in our App.js so it style all elements from components of counter.js

```
import React, { Component } from 'react'
```

```
export class counter extends Component {  
  constructor(props) {  
    super(props);  
    this.state = {  
      count: 0  
    };  
  }
```

```
  render() {  
    return (  
      <div>  
        <div className="container">  
          <div className="number">  
            <p>{this.state.count}</p>  
          </div>  
          <div className="allbuttons">
```

```
            <button class="button" onClick={() => this.setState({ count: this.state.count + 1 })}>  
              INCR  
            </button>
```

```
            <button class="button" onClick={() => (this.state.count > 0 ? this.setState({ count: this.state.count - 1 }) : this.setState({ count: 0 }) )}>
```

```
              DECR  
            </button>
```

```
          </div>
```

```
        </div>
```

```
      </div>
```

```
    );
```

```
  }
```

```
}
```

```
export default counter
```