

ASSIGNMEN 3

State Class :

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

class BooleanStateClassComponent extends Component
{
    constructor(props)
    {
        super(props);

        this.state = { isToggled: false};

        this.handleClick = this.handleClick.bind(this);
    }

    handleClick()
    {
        this.setState( (prevState) => ( { isToggled: !prevState.isToggled } ) ) ;
    }

    render()
    {
        return (
            <div>

                <p>Toggle State: {this.state.isToggled ? 'True' : 'False'}</p>

                <button onClick={this.handleClick}>Toggle</button>

            </div> ) ;
    }
}
```

```
    }  
  }  
  
  export default BooleanStateClassComponent;
```

State Class Using Form :

```
import React, { Component } from 'react';  
  
class FormStateClassComponent extends Component  
{  
  constructor(props)  
  {  
    super(props);  
  
    this.state = { firstName: '', lastName: '', email: '' };  
  
    this.handleChange = this.handleChange.bind(this);  
  
    this.handleSubmit = this.handleSubmit.bind(this);  
  }  
  
  handleChange(event)  
  {  
    const { name, value } = event.target;  
  
    this.setState( { [name]: value, } );  
  }  
  
  handleSubmit(event)  
  {
```

```
    event.preventDefault();

    console.log('Form submitted with state:', this.state);
  }

  render()
  {
    return (
      <div>

        <form onSubmit={this.handleSubmit}>

          <label>First Name:

            <input type="text" name="firstName"
              value={this.state.firstName}
              onChange={this.handleInputChange}/>

          </label> <br />

          <label>Last Name:

            <input type="text" name="lastName"
              value={this.state.lastName}
              onChange={this.handleInputChange} />

          </label> <br />

          <label> Email:

            <input type="email" name="email" value={this.state.email}
              onChange={this.handleInputChange} />

          </label> <br />

          <button type="submit">Submit</button>

        </form>

      </div>
    );
  }
}
```

```
        </form>
      </div> );
    }
  }
export default FormStateClassComponent;
```

State Class Using String :

```
import React, { Component } from 'react';
class StringStateClassComponent extends Component
{
  constructor(props)
  {
    super(props);
    this.state = { message: 'Hello, React!', };
    this.handleChange = this.handleChange.bind(this);
  }
  handleChange(event)
  {
    this.setState( { message: event.target.value, } );
  }
  render()
  {
```

```
    return (  
      <div>  
        <label>Type a message:  
          <input type="text" value={this.state.message}  
            onChange={this.handleInputChange} />  
        </label>  
        <p>Current Message: {this.state.message}</p>  
      </div> );  
    }  
  }  
  
  export default StringStateClassComponent;
```

These are the state class examples using form Boolean and string.