ASSIGNMENT -3:

"STATE CLASS"

CODING:

```
Boolean:
import React, { Component } from 'react';
class BooleanStateClassComponent extends Component {
 constructor(props) {
  super(props);
// Initialize state with a boolean value
  this.state = {
   isToggled: false,
  };
// Bind event handler method if needed
  this.handleToggleClick = this.handleToggleClick.bind(this);
 }
// Event handler method to toggle the boolean value
 handleToggleClick() {
  // Update state by toggling the boolean value
  this.setState((prevState) => ({
   isToggled: !prevState.isToggled,
```

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}));
 }
 render() {
  return (
   <div>
    Toggle State: {this.state.isToggled ? 'True' : 'False'}
    <button onClick={this.handleToggleClick}>Toggle/button>
   </div>
 );
 }
export default BooleanStateClassComponent
State class using form:
   import React, { Component } from 'react';
class FormStateClassComponent extends Component {
 constructor(props) {
  super(props);
// Initialize state with form fields
  this.state = {
   firstName: ",
   lastName: ",
   email: ",
```

```
};
// Bind event handler methods if needed
  this.handleInputChange = this.handleInputChange.bind(this);
  this.handleSubmit = this.handleSubmit.bind(this);
 }
// Event handler method to update state on input change
 handleInputChange(event) {
  const { name, value } = event.target;
// Update state with the new input value
  this.setState({
   [name]: value,
  });
 }
// Event handler method for form submission
 handleSubmit(event) {
 // Prevent the default form submission behavior
  event.preventDefault();
// Perform actions with form data (in this case, just logging to the console)
  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>
 );
 }
}
export default FormStateClassComponent;
STATE CLASS USING STRING:
   import React, { Component } from 'react';
class StringStateClassComponent extends Component {
 constructor(props) {
```

```
super(props);
// Initialize state with a string value
  this.state = {
   message: 'Hello, React!',
  };
 // Bind event handler methods if needed
  this.handleInputChange = this.handleInputChange.bind(this);
 }
// Event handler method to update state on input change
 handleInputChange(event) {
  // Update state with the new input value
  this.setState({
   message: event.target.value,
  });
 }
render() {
  return (
   <div>
    <label>
     Type a message:
     <input
      type="text"
```

```
value={this.state.message}
    onChange={this.handleInputChange}

/>
    </label>
    Current Message: {this.state.message}
    </div>
    );
}
export default StringStateClassComponent;
```

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