



✓ **Congratulations! You passed!**

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1. What is EcmaScript or ES?

1 / 1 point

- ☐ Communication standard
- ☒ JavaScript Standard
- ☐ Regulated name for JSON
- ☐ Programming organization

✓ **Correct**

EcmaScript (ES) is Ecma's specification to which JavaScript adheres.

2. What is one of the new features in JavaScript ES6?

1 / 1 point

- ☐ Find
- ☐ Object
- ☒ Arrow functions
- ☐ Get

✓ **Correct**

Arrow functions are one of the features introduced in JavaScript ES6.

3. What is the state of a promise object when the operation executes successfully?

1 / 1 point

- ☒ fulfilled
- ☐ pending
- ☐ constant
- ☐ end

✓ **Correct**

When the operation executes successfully, the promise is in the fulfilled state.

4. React is an open source library created and maintained by Facebook and community developers. What is it mainly used to build?

1 / 1 point

- ☐ Accessibility messages
- ☐ AI questions
- ☒ Frontend Applications
- ☐ Error messages

✓ **Correct**

React is a framework for building client-side dynamic web applications.

5. Facebook provides the Create React App to simplify creating React apps. What must be installed in order to run `npm create-react-app` with the name of the app you want to create?

1 / 1 point

- ☒ Node.js
- ☐ XML editor
- ☐ JavaScript
- ☐ Facebook

✓ **Correct**

If you have Node.js installed, you can run `npm create-react-app` with the name of the application you want to create.

6. Functional components are most useful when the component has properties, but what is the restriction?

1 / 1 point

- ☐ Properties can't have uppercase characters.
- ☐ Properties can't be user-defined.
- ☒ The component lifecycle does not require management.
- ☐ Properties can't be passed as parameters to the function.

✓ **Correct**

Functional components are most useful when the component has properties but the lifecycle of the component does not have to be managed.

7. What makes class components more preferable than functional components?

1 / 1 point

- ☒ Versatility
- ☐ Simplicity
- ☐ Definition
- ☐ Rigidity

✓ **Correct**

Class components are preferred more than functional components because of their versatility.

8. In the Working with React Components video, what does the *incrementCounter* method do in the React app?

1 / 1 point

- ☒ Updates state so component is rendered again
- ☐ Routes command through component
- ☐ Passes value to the GUI
- ☐ Stops the application

✓ **Correct**

When the counter increments, the state changes.

9. As components are mounted there are four methods called, all in the same order. Which method only returns one root element, even if it has or doesn't have many nested child elements?

1 / 1 point

- ☐ constructor()
- ☒ render()
- ☐ getDerivedStateFromProps()
- ☐ componentDidMount()

✓ **Correct**

The render() method can return only one root element, which may or may not have many nested child elements.

10. As components are updated, five methods are called in the same order. Which method is called every time a change in state occurs?

1 / 1 point

- ☐ getDerivedStateFromProps()
- ☐ render()
- ☐ getSnapshotBeforeUpdate()
- ☒ shouldComponentUpdate()

✓ **Correct**

Every time there is a change in state, this method is called to check if the component should update.