

1.What are props in React?

- a) Properties used to style React components
- b) Data passed from a parent component to a child component
- c) Methods used to update component state
- d) Built-in React components

Answer: b) Data passed from a parent component to a child component

2.How do you pass props to a component in JSX?

- a) Using the this.props attribute b) Using the spread operator
- c) Using the props attribute d) Props cannot be passed in JSX

Answer: c) Using the props attribute

3.Can props be modified inside a component?

- a) Yes, props can be modified directly b) Yes, props can be modified using the setState() method
- c) No, props are read-only and cannot be modified d) No, props are only accessible in the parent component

Answer: c) No, props are read-only and cannot be modified

4.How do you access props in a functional component?

- a) By using the props attribute b) By using the this.props object
- c) By using the state object d) Functional components cannot access props

Answer: a) By using the props attribute

5.How do you access props in a class component?

- a) By using the props attribute b) By using the this.props object
- c) By using the state object d) Class components cannot access props

Answer: b) By using the this.props object

6.What happens if you don't pass a required prop to a component?

- a) The component will render without any issues b) An error will be thrown
- c) The component will display a placeholder value d) The prop will be set to its default value

Answer: b) An error will be thrown

7.How can you set default values for props in a functional component?

- a) By using the defaultProps object b) By using the defaultValues attribute
- c) By using the defaultProp attribute d) Default values cannot be set for props in functional components

Answer: a) By using the defaultProps object

8.How can you set default values for props in a class component?

- a) By using the defaultProps object b) By using the defaultValues attribute
- c) By using the defaultProp attribute d) Default values cannot be set for props in class components

Answer: a) By using the defaultProps object

9.What is the purpose of PropTypes in React?

- a) To validate the type of props passed to a component
- b) To define the shape of an object prop
- c) To specify the required props for a component
- d) PropTypes are not used in React

Answer: a) To validate the type of props passed to a component

10.Which package is used to define PropTypes in React?

- a) react-prop-types b) react-proptypes
- c) prop-types d) react-types

Answer: c) prop-types

11.How do you define PropTypes for a functional component?

- a) By using the propTypes attribute b) By using the propType attribute
- c) By using the static propTypes object d) PropTypes cannot be defined for functional components

Answer: a) By using the propTypes attribute

12.How do you define PropTypes for a class component?

- a) By using the propTypes attribute b) By using the propType attribute
- c) By using the static propTypes object d) PropTypes cannot be defined for class components

Answer: c) By using the static propTypes object

13.Which prop type is used to define that a prop is required?

- a) required b) isRequired
- c) PropTypes.required d) PropTypes.isRequired

Answer: d) PropTypes.isRequired

14.How do you define that a prop should be of a specific type in PropTypes?

- a) By using PropTypes.type b) By using PropTypes.ofType
- c) By using PropTypes.shape d) By using PropTypes.isType

Answer: b) By using PropTypes.ofType

15.How do you define that a prop should be an array of a specific type in PropTypes?

- a) By using PropTypes.array b) By using PropTypes.arrayOf
- c) By using PropTypes.shape d) By using PropTypes.arrayType

Answer: b) By using PropTypes.arrayOf

16.How do you define that a prop should be an object with specific shape in PropTypes?

- a) By using PropTypes.object b) By using PropTypes.objectOf
- c) By using PropTypes.shape d) By using PropTypes.objectType

Answer: c) By using PropTypes.shape

17.How do you define that a prop should be a function in PropTypes?

- a) By using PropTypes.function b) By using PropTypes.func
- c) By using PropTypes.functionType d) By using PropTypes.isFunction

Answer: b) By using PropTypes.func

18.How do you define that a prop should be a React element in PropTypes?

- a) By using PropTypes.element b) By using PropTypes.reactElement
- c) By using PropTypes.elementType d) By using PropTypes.isElement

Answer: a) By using PropTypes.element

19.How can you specify default values for props using PropTypes?

- a) By using the default attribute b) By using the defaultProps object
- c) By using the defaultProp attribute d) PropTypes do not support default values

Answer: c) By using the defaultProp attribute

20.What is the purpose of prop drilling in React?

- a) To pass props from a child component to a parent component
 - b) To pass props from a parent component to a deeply nested child component
 - c) To pass props between sibling components
 - d) Prop drilling is not a concept in React
- Answer: b) To pass props from a parent component to a deeply nested child component