Generated MCQs

Q1: What platform is typically needed for ReactJS development?

A) Java Development Kit (JDK)

B) Python Interpreter

C) NodeJS

D) Ruby Version Manager

Correct Answer: C

Q2: What is ReactJS primarily used for building?

A) Server-side logic

B) Database management

C) User Interfaces (UI)

D) Operating systems

Correct Answer: C

Q3: Which company initially developed and maintained ReactJS?

A) Google

B) Microsoft

C) Facebook

D) Apple

Correct Answer: C

Q4: What feature does React use to improve app performance compared to

manipulating the regular DOM directly?

A) Shadow DOM

B) Virtual DOM

C) Linked Lists

D) Web Workers

Correct Answer: B

Q5: What does React create in memory before making changes to the browser's DOM?

A) A copy of the CSS

B) A temporary file

C) A VIRTUAL DOM

D) A database snapshot

Correct Answer: C

Q6: What is JSX an extension of?

A) HTML

B) CSS

C) JavaScript

D) XML

Correct Answer: C

Q7: In React, thinking of everything in terms of what helps maintain code in larger projects?

A) Functions

B) Variables

C) Components

D) Modules

Correct Answer: C

Q8: Which term describes the data flow pattern implemented by React?

A) Two-way data binding

B) Bidirectional data flow

C) Unidirectional data flow

D) Multi-directional data flow

Correct Answer: C

Q9: What is one advantage of using ReactJS?

A) Difficult to learn

B) Slow performance

C) Reusable Components

D) Only works on the server-side

Correct Answer: C

Q10: Which command is maintained by Facebook for easily setting up a React environment?

A) npm init react

B) create-react-app

C) setup-react-env

D) react-install wizard

Correct Answer: B

Q11: What command is used to check the installed Node.js version in the terminal?

A) node -v

B) node check

C) version node

D) npm node -v

Correct Answer: A

Q12: Which file typically holds metadata and project dependencies for an npm project?

A) index.html

B) App.js

C) package.json

D) README.md

Correct Answer: C

Q13: What tool is used to compile React JSX and newer JavaScript (ES6) into older JavaScript (ES5) compatible with most browsers?

A) Webpack

B) Node

C) Babel

D) npm

Correct Answer: C

Q14: In a typical `create-react-app` project structure, where are the main application components like `App.js` located?

A) public folder

B) node_modules folder

C) root directory

D) src folder

Correct Answer: D

Q15: Which function is used to render React elements into the DOM?

A) React.renderHTML()

B) ReactDOM.render()

C) React.display()

D) DOM.showReact()

Correct Answer: B

Q16: What does JSX stand for?

A) JavaScript Syntax Extension

B) Java Source XML

C) JavaScript XML

D) JSON Script Xchange

Correct Answer: C

Q17: How are HTML attributes like 'class' typically written in JSX?

A) class

B) htmlClass

C) className

D) jsx-class

Correct Answer: C

Q18: What are the two types of components mentioned in the text?

A) Simple and Complex

B) Static and Dynamic

C) Functional and Class

D) Parent and Child

Correct Answer: C

Q19: What is the term for data passed down from a parent component to a child component?

A) State

B) Arguments

C) Props

D) Variables

Correct Answer: C

Q20: Can props be modified directly by the child component that receives them?

A) Yes, always

B) Yes, but only in class components

C) No, props are immutable

D) No, only state can be modified

Correct Answer: C

Q21: What is the term for data that is managed within a component and can change over time?

A) Props

B) State

C) Context

D) Refs

Correct Answer: B

Q22: Which method should be used to modify a component's state?

A) this.state = newState

B) modifyState(newState)

C) this.setState(newState)

D) changeState(newState)

Q23: In React event handling, how is an event handler typically passed to an element like a button?

A) As a string (e.g., "handleClick()")

B) As a function reference (e.g., {handleClick})

C) Using the `addEventListener` method directly

D) Inside the `data-event` attribute

Correct Answer: B

Q24: What type of component maintains its own internal state regarding form data?

A) Uncontrolled Component

B) Stateless Component

C) Functional Component

D) Controlled Component

Correct Answer: D

Q25: What is React Router used for in React applications?

A) Managing component state

B) Styling components

C) Handling navigation and routing between pages

D) Making API requests

Correct Answer: C