# Front-End Development Interview Questions

## Module-1 (HTML/HTML-5)

1. What is the difference between a Web Browser and a Web Server?

2. Full form of HTTP.

3. Full form of FTP.

4. What is a domain?

5. What is the full form Of URL?

6. What is a web design and basic requirement?

7. Which resolution is better for the perfect design?

8. Explain problem specification with browser compatibility.

9. Is HTML case sensitive?

10.   Explain what is the use of editors and their types?

11.   What is the difference between HTML and XHTML?

12.   How many HTML versions are available in the market?

13.   What is DOCTYPE?

14. Explain HTML structure?

15. What is HTML? How are HTML tags formed? Explain HTML comments?

16. What is the use of Anchor tag? Explain two ways to specify URL in href attribute?

17. .How to create hyperlink in HTML ?

18. Relative paths make your hypertext links _____.

19. In the following example, which type of HTML link is defined?

20. Why are images used on web pages?

21. What is the default value of the "target" attribute?

22. Types of List in HTML. (ans. Ordered, Unordered and Definition list)

23. Which html tags are used to create table structure? Explain in brief at least five

24. What is a caption?

25. Which attribute allows you to add descriptive text to a table?

26. Which HTML attribute is used to set the space between cells in an HTML element?

27. Which attribute do you use to span table cells across table columns?

28. Which has higher priority in Table -- cell settings or table settings ? (ans. Cell settings)

29. HTML attribute values are usually enclosed in?

30. HTML Entities. To display a less than sign we must write:

31. For a radio button to be marked as on what is the recommended attribute and value?

32. HTML 5 What is a new attribute for both and <input>?

33. HTML What is the internal/wire format of input type="date" in HTML5? (ans. - YYYY-MM-DD)

34. What are the Input types in HTML ?

35. What are new Input types included in HTML5 ?

36. What is the use of <fieldset> ?

37. What is the use of <nav> tag ?

38. Difference between <span> and <div>tag ?

39. How to embed Javascript in HTML ?

40. How do we specify line breaks in HTML ?

41. Explain HTML 5 Element ?

42. Which tag is used in HTML5 to display video ?

43. HTML Event Attributes onunload fires

# Module-2 (css/css-3)

1. What does CSS stand for?

2. Which HTML tag is used to define an internal style sheet?

3. Which HTML attribute is used to define inline CSS?

4. Which is the correct CSS syntax?

5. TRUE/FALSE – CSS is case sensitive ?

6. How do you insert a comment in a CSS file?

7. Which of the following tells the browser where you want to apply

   the rule?

8. What is NOT an advantage of using CSS files?

9. True or False: The borders of an element can vary only up to 2

   sides

10. Which property is used to specify table borders in CSS?

11. What is the CSS shorthand to set a borders top to 10, bottom to 5, left to 20 andright to 1 pixel?

12. True or False: The borders of an element can vary only up to 2 sides

13. Which is the correct use of border-radius?

14. Which property is used to change the background color?

15. Which CSS property is used to change the text color of an element?

16. Which CSS property controls the text size?

17. What is the correct CSS syntax for making elements bold?

18. Types of element positioning in CSS?

19. What property defines whether background images scroll along 58. with the element when the document is scrolled?

20. How to handle content overflow in the element?

21. What is padding ?

22. Which property is used to change the left margin of an element?

# Module-3 (javascript)

1. JavaScript is developed by _____.

2. Javascript is a typed language.

3. Are java and javascript the same?

4. Which of the following attributes of the form tag is not set by using a document object in JavaScript?

5. What property would you use to redirect a visitor to another page?

6. What are the following looping structures available in javascripts?

7. What is the meaning of the "this" keyword in javascript?

8. Choose the client-side JavaScript object

# Module-4 (jQuery)

1. Which of the following is a single global function defined in the jQuerylibrary?

2. Which of the following is a factory function?

3. Which of the following is a utility function in jQuery?

4. Which of the following is a heavily overloaded function?

5. Which is the method that operates on the return value of $()?

6. Consider the following code snippetWhat does the min mean?

7. Which of the following is a utility function in jQuery?

8. The libraries that build a new higher-level API for client-side programming is

9. Which of the following frameworks focuses on DOM and Ajax utilities?

10. What is Responsive Design ?

11. Consider the following code snippet t<script src="jquery-1.4.2.min.js"> What does the min mean?

# Module-5 (Bootstrap)

1. What is the use of Bootstrap ?

2. Explain the bootstrap grid system ?

# Module-6 (ReactJs)

1. What is Client Server Architecture?

2.  What do you mean by frontEnd Development

3.  What is http protocol ?

4.  Differentiate between Real DOM and Virtual DOM.

5. What is React?

6. What are the features of React?

7. List some of the major advantages of React.

8. What are the limitations of React?

9. What is JSX?

10. What do you understand about Virtual DOM? Explain its working.

11. Why can't browsers read JSX?

12. How different is React's ES6 syntax when compared to ES5?

13. How is React different from Angular?

14. What is the difference between Element and Component?

15. How to create components in React?

16. When to use a Class Component over a Function Component?

17. What are Pure Components?

18. What is the state in React?

19. What are props in React?

20. What is the difference between state and props?

21. Why should we not update the state directly?

22. What is the purpose of the callback function as an argument of setState()?

23. What is the difference between HTML and React event handling?

24. How to bind methods or event handlers in JSX callbacks?

25. How to pass a parameter to an event handler or callback?

26. What are synthetic events in React?

27. What are inline conditional expressions?.

28. What are "key" props and what is the benefit of using them in arrays of elements?

29. What is the use of refs?

30. How to create refs?

31. What are forward refs?

32. Which is the preferred option within callback refs and findDOMNode()?

33. Why are String Refs legacy?

34. What is React Fiber?

35. What is the main goal of React Fiber?

36. What are controlled components?

37. What are uncontrolled components?

38. What is the difference between createElement and cloneElement?

39. What is Lifting State Up in React?

40.   What are the different phases of the component lifecycle?

41.   What are the lifecycle methods of React?

42.   What are Higher-Order components?

43.   How to create a props proxy for HOC components?

44.   What is context?

45.   What is a child's prop?

46.   How to write comments in React?

47.   What is the purpose of using a super constructor with props?

48.   What is reconciliation?

49.   How to set state with a dynamic key name?

50.   What would be the common mistake of function being called

    every time the component renders?

51.   Is lazy function supported named exports?

52.   Why does React use className over class attribute?

53.   What are fragments?

54.   Why are fragments better than container divs?

55.   What are portals in React?

56.   What are stateless components?

57. What are stateful components?

58. How to apply validation on props in React?

59. What are the advantages of React?

60. What are the limitations of React?

61. What are error boundaries in React v16 ?

62. How are error boundaries handled in React v15?

63. What are the recommended ways for static type checking?

64. What is the use of the react-dom package?

65. What is the purpose of the render method of react-dom?

66. What is ReactDOMServer?

67. How to use InnerHtml in React?

68. How to use styles in React?

69. How are events different in React?

70. What will happen if you use setState in the constructor?

71. What is the impact of indexes as keys?

72. Is it good to use setState() in componentWillMount() method?

73. What will happen if you use props in the initial state?

74. How do you conditionally render components?

75. Why do we need to be careful when spreading props on DOM elements?

76. How do you use decorators in React? 77.How do you memoize a component?

77. How do you implement Server-Side Rendering or SSR?

78. How to enable production mode in React?

79. What is CRA and its benefits?

80. What are the lifecycle methods ordered in mounting?

81. What are the lifecycle methods going to be deprecated in React v16? 83.What is the purpose of the getDerivedStateFromProps() lifecycle method?

82. What is the purpose of getSnapshotBeforeUpdate() lifecycle method?

83. Do Hooks replace render props and higher order components?

84. What is the recommended way for naming components?

85. What is the recommended ordering of methods in component class?

86. What is a switching component?

87. Why do we need to pass a function to setState()?

88. What is strict mode in React?

89. What are React Mixins?

90. Why is isMounted() an anti-pattern and what is the proper solution?

91. What are the Pointer Events supported in React?

92. Why should component names start with capital letters?

93. Are custom DOM attributes supported in React v16?

94. What is the difference between constructor and getInitialState?

95. How to loop inside JSX?

96. How do you access props in attribute quotes?

97. What is the React PropType array with shape?

98. How to conditionally apply class attributes?

99. What is the difference between React and ReactDOM?

100. Why is ReactDOM separated from React?

101. How to use the React label element?

102. How to combine multiple inline style objects?

103. How to re-render the view when the browser is resized?

104. What is the difference between setState and replaceState methods? 98.How to listen to state changes?

105. What is the recommended approach of removing an array element in react state?

106. Is it possible to use React without rendering HTML?

107. How to pretty print JSON with React?

108. Why can't you update props in React?

109. How to focus an input element on page load?

110. What are the possible ways of updating objects in state?

111. Why is function preferred over object for setState?

112.  How can we find the version of React at runtime in the browser?

113. What are the approaches to include polyfills in your create react-app?

114. How to use https instead of http in create-react-app?

115. How to avoid using relative path imports in create-react-app?

116. How to add Google Analytics for react-router?

117. How to update a component every second?

118. How do you apply vendor prefixes to inline styles in React?

119. How to import and export components using react and ES6?

120. Why do React component names begin with a capital letter?

121. Why is a component constructor called only once?

122. How to define constants in React?

123. How to programmatically trigger click events in React?