UI Developer Interview Questions

HTML

1. Why do we use doctype when writing html document?
2. What do you mean by semantic elements?
3. What are semantic elements?
4. Difference between HTML and HTML5
5. What are the new additions in HTML5?
6. Why do we use <section> tag?
7. What is difference between div and span?
8. What are inline elements and block elements?
9. How can you give inline behavior to div?
10. What is responsive website? And how to design responsive website?

CSS

1. What is css?
2. What are the types of css?
3. What are the positions in CSS?
4. Difference between CSS and CSS3
5. What are new additions in CSS3?
6. Check CSS flexbox property
7. What is media query?
8. Media query syntax?
9. Media query resolution for mobile tablet
10. How to vertically center align item using flexbox?
11. Difference between inline block and block property?

JavaScript

1. What is Javascript?
2. What is ES6?
3. What are the features of ES6?
4. What is arrow function?
5. Advantages of arrow function
6. What is hoisting in javascript?
7. What is closure?
8. Explain concept of Promise in JS
9. What is Callback function? Benefits of callback function
10. Difference between let, const and Var.
11. What is spread and Rest operator
12. What is event bubbling and event capturing?
13. What is template literal?
14. Difference between call back function and promise
15. What is async and await
16. What is promise.all

Programs:

1. Find largest string from array
2. Reverse string
3. Sort Integer Array
4. Find and print count of letters in word e.g HELLO > H1E1L2O1
5. Move all zeros to the end of an Array
6. Count instances of Value.
7. Remove Duplicate from array
8. Check programs of array following array methods
   * 1. Map()
     2. Filter()
     3. Reduce()
     4. Sort()
     5. Pop()
     6. Push()
9. Sorting Integer array?
10. Getting unique elements from the array?
11. **Closure example**
12. Call-back ? why it is used?
13. questions on bootstrap grids and css float, clear and transition
14. Angular routing ? how it works? route provider?
15. Write Observable example with http ?
16. how to access authenticated url's with http?
17. HTML 5 new tags? local storage vs session storage ? Location api? How to clear local storage ?
18. what are **directives**?
19. UI questions from html tags , Css difference between relative and absolute position , **closure** in JavaScript, angular 2 observable
20. Explain **directives** and their functionalities in angularJS?
21. Difference between call back function and promise?
22. write the syntax of ajax
23. Write Inner join
24. How do you filter out all the even numbers in an array?
25. Describe the Life circle.
26. What is JSX.
27. Advantages of React over other framework.
28. Difference funcational and class component
29. Life cycle of React.
30. Strict mode use
31. Virtual DOM
32. React Hooks, state and props\
33. Types to import css in React
34. CSX and CSS
35. React Keys
36. Improve App Performance
37. Props drailing
38. Diff bet higher and lower component
39. What are the error boundaries
40. Re render techniques

**React Que**

1. What is one of the core types in React?

2. What do you mean by the state?

3. What is redux?

4. Is it possible to display props on a parent component?

5. In ReactJS, why there is a need to capitalize on the components?

6. What do you know about synthetic events?

7. Explain DOM diffing?

DOM diffing is the process of comparing the existing UI to the UI you want and identifying what needs to change to get there.

8. Is it possible to nest JSX elements into other JSX elements?

9. List some of the major advantages of React.

10. What are the limitations of React?

11. What is JSX?

12. What do you understand by Virtual DOM? Explain its working.

Virtual DOM is basically a copy of actual DOM. In virtual DOM only the elements that needs to be updated are updated and then difference get calculated and then its displayed on actual DOM

13. Why can’t browsers read JSX?

*Browsers cannot read JSX because there is no inherent implementation for the browser engines to read and understand it. You can use babel to transform your jsx into native javascript and HTML which browser can understand.*

14. How is React different from Angular?

15. What do you understand from “In React, everything is a component.”

16. Explain the purpose of render() in React.

17. What is a state in React and how is it used?

18. What are the different phases of React component’s lifecycle?

19. What is an event in React?

20. How do you create an event in React?