React Components ?

* Components are like functions that return HTML elements
* 2 types of components – Class components and function components
* Suggested to use functional components with hooks (added in React 16.8)
* A class component must include React.component statement
* Graphical user interface, application, Word

  Description automatically generated
* Functional component
* A picture containing graphical user interface

  Description automatically generated

1. What is react?
2. Current version of react
3. Core features of react?
4. Advantage of using react?
5. Where shouldn’t we use react?
6. What is SPA
7. When will SPA run slower / faster ?
8. What is JSX
9. Can JSX code directly run on browser ?
10. What do we need to convert JSX code to plain-JS code?
11. Is import React from react” necessary? IF yes when ?
12. What is virtual DOM ?
13. Why react uses Virtual DOM ?
14. Adv. Of Virtual DOM over Normal DOM?
15. Explain how virtual DOM works?
16. When and how are changes propagated to real DOM ?
17. What is Component ?
18. How many ways the component be defined ?
19. How to define a function based component?
20. What are adv /disadv of defining a component based vs class based ?
21. What is state
22. What is prop
23. Difference between State and prop
24. What is stateful component and stateless component?
25. How states are set in class based component?
26. How states are set in function based compoment?
27. How to define props in class based component?
28. How to define props in function based component?
29. What is data binding?
30. Types of data binding ?
31. What kind of binding does react allow ?
32. Which data are available for binding in react ?
33. What is meant be component rendering?
34. Where to define rendering logic in class based component ?
35. Where to define rendering logic in function bases component?
36. What care should be taken to not make the rendering slower?
37. What is hook ?
38. Where the hook to be used ?
39. How to name a hook ?
40. Which in-build hooks does React provide ?
41. React elements
42. React elements Attributes
43. React Element Styles
44. React Fragments
45. React Components
46. React Props
47. React children Props
48. React conditionals
49. React lists
50. React Context
51. React Hooks
52. React Hooks
53. React useState Hook
54. React useRef Hook
55. React useContext Hook
56. React useCallback Hook
57. React useMemo Hook