

Assessment - 2

1) React vs React DOM

React DOM is the glue between React and the DOM. Often, it will only use it for one single thing: mounting with ReactDOM.render(). Another useful feature is React.findDOMNode() which can use to gain direct access to a DOM element. Its functionality is utilised only in webapps.

For everything else, there's React. React is used to defined & create the elements, for lifecycle hooks etc., i.e the guts of a react application. Its functionality is utilised in web and mobile apps.

3) What is JSX?

It is an syntax extension to javascript. It is been recommended to using it with React to describe

what the UI should look like. It may remind of a template language, but it comes with the full power of javascript. It produces React elements.

Syntax →

```
const element = <h1> welcome </h1>;
```

2) How to create react element with an example.

- * Call `React.createElement()` & describe its arguments.
- * Use `ReactDOM.render()` to render an element to a page.
- * Describe how we can build elements out of other React elements.
- * Add child & nested child elements.
- * Pass properties to an element.
- what are props?

React allows us to pass information

to a component using something called props (stands for properties).

Props are basically kind of global variable or object. They are used to pass data from a parent component to a child component in React and they are the main mechanism for component communication.

8) Difference between Class & Functional Components.

Functional components are some of the more common components that will come across while working in React.

These are simply JavaScript functions. We can create a functional component to React by writing a JavaScript function. It is used nowadays for dynamic page creation.

Class component is the bread & butter of most web apps built in React JS. These components are simple classes and these were previously used.

11) what is Babel?

Babel converts our latest code (ES6) to compatibility code (browser understandable code ES version)

In React we create jsx code but browser understands javascript code, So babel will convert jsx to js. It is a javascript compiler.

12) Explain key attribute? why key attribute need to be used?

A 'key' is a special string attribute you need to include when creating list of elements in React. Keys are used to React to identify which items in the list are changed, updated or deleted.. It is used to give an identity to the elements in the lists. To know the value and index.