

1- what is react and list some advantages of react ?
is a free front-end JavaScript library for building user interfaces based on UI components.

advantages:

- Makes JavaScript coding easier.
- virtual Dom.
- large community
- Reusable Components.
- Improved performance.

2-what is jsx ?

JSX is a syntax extension of JavaScript.

It is used with React to describe what the user interface should look like.

By using JSX, we can write HTML structures in the same file that contains JavaScript code.

3- Can web browsers read JSX directly ? and why?

Web browsers cannot read JSX directly.

This is because they are built to only read regular JS objects and JSX is not a regular JavaScript object.

4-How web browsers read JSX ?

For a web browser to read a JSX file, the file needs to be transformed into a regular JavaScript object. For this, we use Babel.

5-what is difference between Dom and virtual Dom ?

DOM stands for Document Object Model

it is the structural representation of all nodes in an HTML document DOM represents the UI of your applications.

VDOM is the virtual representation of Real DOM.

Virtual DOM makes the performance faster.

6-What is component in react ?

Components are independent and reusable bits of code. They serve the same purpose as JavaScript functions,

but work in isolation and return HTML.

7- What is props in react ?

props stands for properties, Props are arguments passed into React components via HTML attributes.

8- what is difference between map and forEach ?

The difference between map() and forEach() is the returning value.

The forEach() method returns undefined and map() returns a new array with the transformed elements.