React JS

1. Declarative

* React makes it painless to create interactive UIs.
* Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

1. Component-Based

* Build encapsulated components that manage their own state, then compose them to make complex UIs.

**Points to remember:**

function (longName)

{

return { longName };

}

is equivalent to

function (longName)

{

return { longName: longName };

}

use - spread operator

const stringList = ["Mohan","Fasale","Robert"];

const name = "Priya";

const result = [...stringList, name];

console.log(stringList); // ["Mohan","Fasale","Robert"]

console.log(result); // ["Mohan","Fasale","Robert","Priya"]

We sometimes bind variables using destructuring assignment, usually with shorthand property names.

For example,

var { longPropName } = props;

is equivalent to

var longPropName = props.longPropName;

arrow function don't have a context of this.

a simple answer for that is arrow don't know about 'this' keyword it simple checks up the hierarchical order to get 'this'

Introducing JSX

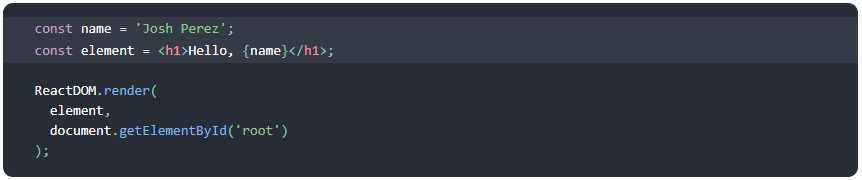


This funny tag syntax is neither a string nor HTML.

It is called JSX, and it is a syntax extension to JavaScript.

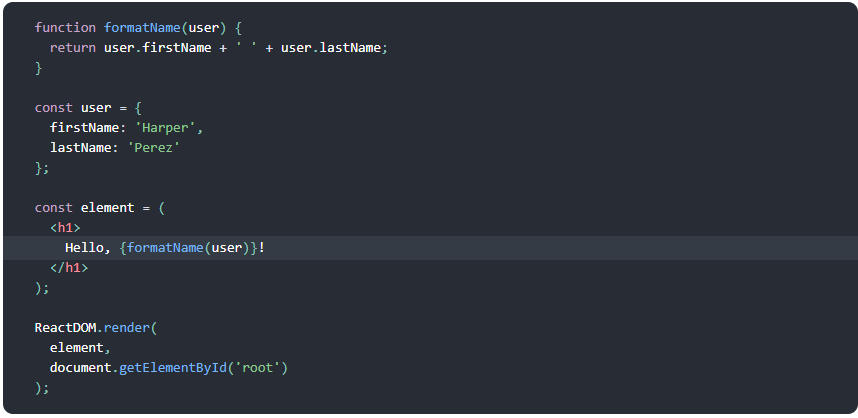
**Expressions in JSX**

In the example below, we declare a variable called name and then use it inside JSX by wrapping it in curly braces:



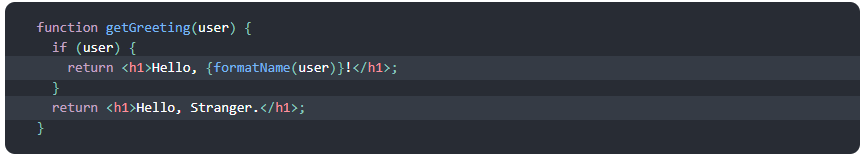
You can put any valid JavaScript expression inside the curly braces in JSX. For example, 2 + 2, user.firstName, or formatName(user) are all valid JavaScript expressions.

In the example below, we embed the result of calling a JavaScript function, formatName(user), into an <h1> element.



JSX is an Expression Too

you can use JSX inside of if statements and for loops, assign it to variables, accept it as arguments, and return it from functions:



Specifying Attributes with JSX

You may use quotes to specify string literals as attributes: 

You may also use curly braces to embed a JavaScript expression in an attribute:

