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Question #1

React is a JavaScript framework. We have access to a virtual DOM that updates quickly each changes when we save. The biggest strength is that you can use a lot of different component to build your app. We use the syntax JSX, it's an extension of JavaScript and it look like HTML.

Question #2

The Virtual-DOM only updates things that have got changed. If you want to display twice the exact same thing, it will be only displayed once. For example, if we have a slider with multiple pictures but we only modify one picture, other DOM will updates all the pictures instead of just the important one, but not React.

Question #3

JSX is a JavaScript code that look like a merge of JS and HTML.

It is use with React and It's a syntax extension for JS, the code can't be read at first on a browser, It has to be compiled.

Question #4

First, you must import the React library and DOM.

Then you have to open a class, where you write the name(in UpperCamelCase) of the class, sub class react.component and add methods and properties.

Now, you create the body of the class by opening a pair of curly braces after React.Component, and by writing all the code between those curly braces.

Last, you must create the render function in the body. At the bottom, write a JSX element with the same name as your component class.

```
import React from 'react';

import ReactDOM from 'react-dom';


class TheNameOfMyClass extends React.Component {

  render() {

    return <h1>This is the render function in the body of the class.</h1>;

  }

}


ReactDOM.render(

    <TheNameOfMyClass />,

    document.getElementById('app')

);
```

Question #5

How can you download and install packages into your React project? Provide an example.

We can download and install a package into our react project thanks to the terminal and commands.

Exemple: if we want to download the package Bulma, we have to write this command:

npm install bulma

into the folder of our React app is.