

Module quiz: React Hooks and Custom Hooks

1. How is array destructuring relevant to hooks in React?

1 / 1 ponto

- ☐ It makes it possible to reassign state objects.
- ☒ It is a way to get individual items from an array of items, and save those individual items as separate components.
- ☐ It makes the Virtual DOM possible.
- ☐ It makes it possible to handle click events.
- ☒ **Correto**
Correct. It is a way to get individual items from an array of items, and save those individual items as separate components.

2. Is the following paragraph correct?

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With array destructuring, you are free to give any variable name to the items that you destructure from an array. Contrary to that, when destructuring objects, you have to destructure a property of an object using that exact property's name as the name of the destructured variable.

- ☒ Yes
- ☐ No
- ☒ **Correto**
That's right, the paragraph is correct.

3. The `useEffect` hook is a way to:

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- ☐ handle visual effects (animations and transitions) in React
- ☐ handle a *side effect*.
- ☐ handle one-way data flows
- ☒ **Incorreto**
Você não selecionou uma resposta.

4. Which answer is correct about the following code snippet?

1 / 1 ponto

```
1  useEffect( () => {  
2    if (data !== '') {  
3      setData('test data')  
4    }  
5  })
```

- ☐ This code is ok, except the fact that you should replace the `if` statement with a ternary operator.
- ☐ This code is breaking the rules of hooks
- ☒ This code is not breaking the rules of hooks
- ☒ **Correto**
Correct. The code snippet is valid.

5. Choose an example of a side-effect with which you'd need to use a `useEffect` hook:

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- ☐ Render some prop values on the screen.
- ☒ Run a Fetch API call in React.
- ☐ Update the value of the state variable in a child component.
- ☒ **Correto**
Correct. The call to the Fetch API is a side-effect, and you should use the `useEffect` hook to handle it.

6. Complete the sentence:

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The `useState` hook starts with an initial state, but...

- ☒ the `useReducer` hook gets a reducer function in addition to the initial state.
- ☐ the `userReducer` hook must be used when the initial state is an object.
- ☐ the `useReducer` hook cannot be used to track the state at all.

✓ Correto

Correct. The `useState` hook starts with an initial state, but the `useReducer` hook gets a reducer function in addition to the initial state.

7. True or false: `useRef` is a custom hook in React.

1 / 1 ponto

- ☐ Yes.
- ☒ No

✓ Correto

Correct. The `useRef` hook is a built-in hook, just like some other hooks are, such as the `useState` or `useReducer`.

8. JavaScript is a single-threaded language, meaning...

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- ☒ ...it can only do a single thing at any given time.
- ☐ ...you can use it with React only when this single thread is used with the `useEffect` hook.
- ☐ ...you can use it with React only when this single thread is passed to the `useState` variable.

✓ Correto

Correct. This is a true statement.

9. Which statement is correct about the following code snippet:

1 / 1 ponto

```
1 import { useEffect } from "react";
2
3 function useConsoleLog(varName) {
4   useEffect(() => {
5     console.log(varName);
6   });
7 }
8
9 export default useConsoleLog;
```

Choose the correct statement below.

- ☐ This code is an example of an implicit state-updating function.
- ☒ This is an example of a custom hook.
- ☐ This code is an example of an explicit state-updating function.

✓ Correto

Correct. This is an example of a custom hook.

10. Find the error in this code:

1 / 1 ponto

```
1 import {useState} from "react";
2
3 export default function App() {
4   const [restaurantName, setRestaurantName] = useState("Lemon");
5
6   function updateRestaurantName() {
7     useRestaurantName("Little Lemon");
8   };
9
10  return (
11    <div>
12      <h1>{restaurantName}</h1>
13      <button onClick={updateRestaurantName}>
14        Update restaurant name
15      </button>
16    </div>
17  );
18 };
```

☐ The `onClick` event should not be this:

`onClick={updateRestaurantName}`

☐ The state-setting function's variable name in the array destructuring should not be `setRestaurantName`.

☒ The code inside the `updateRestaurantName()` function definition should not invoke `useRestaurantName("Little Lemon")`

☒ **Correto**

Correct. The code inside the `updateRestaurantName()` function should invoke `setRestauranName("Little Lemon")`.