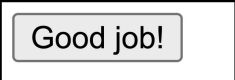


Lesson 1 Exercises - React Basics, JSX

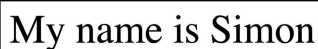
Recommended: create a copy of react-basics.html to do these exercises.

1a. Using React, display a button on the website with the text

“Good job!” inside the button.



1b. Using React, display a paragraph with the text “My name is [NAME]” on the website (replace [NAME] with your name).

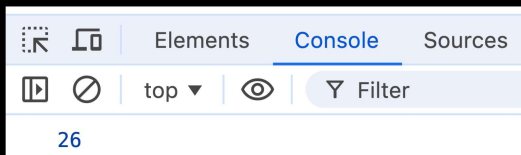


1c. Create the design on the right and display it on the website using React.



Solutions in description

1d. You buy 1 pack of socks for \$10 and 2 T-shirts for \$8 each. Using JavaScript, calculate the total cost of this order, save it in a variable named `productCost`, and display it in the Console.



1e. Continuing from 1d, insert the `productCost` variable into a paragraph element, create the design below, and display it on the website.



Note: replace `__` and insert the `productCost` variable.

Solutions in description

Challenge Exercises

1f. Continuing from 1e, let's pretend the shipping cost is \$5. Save this in a variable named `shippingCost`, calculate the total cost using JavaScript (`productCost + shippingCost`), and display the results on the website using the design below:

Product cost: \$ A

Shipping cost: \$ B

Total cost: \$ C

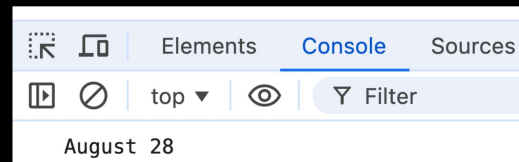
Place your order

Note: replace `_A_` and insert `productCost`, replace `_B_` and insert `shippingCost`, replace `_C_` and insert the total cost.

Solutions in description

1g. We're going to load the DayJS external library on the website (DayJS is an external library that helps us work with dates easier).

- To load DayJS, create a `<script>` above your code, and load the URL: `https://unpkg.com/supersimpledev/dayjs.js`
- After DayJS is loaded, use the code: `dayjs().format('MMM D')` to get the current date. Display this result in the console.



1h. Continuing from 1g, insert the date in a paragraph element, and display it on the website in this format:

Today is August 28

Solutions in description

1i. Using DayJS, get the current time using `dayjs().format('HH:mm:ss')` and display it on the website in this format: Current time: 21:39:28

1j. We'll create a clock. Continue from exercise 1i and do these steps:

- First, instead of doing `ReactDOM.createRoot(...).render(...);` save the root in a variable `const root = ReactDOM.createRoot(...);` and then do `root.render(...);`
- Use the JavaScript code: `setInterval(() => { ... }, 1000);` (replace `...` with some code and it will run this code every second).
- Inside `setInterval`, display the current time on the website using `root.render(...);` (`setInterval` will run this code every second and this will create a clock).