

Introduction to React Quiz

Due No due date**Points** 6**Questions** 6**Time Limit** None**Allowed Attempts** 3

Instructions

<https://github.com/learn-co-curriculum/phase-2-quiz-introduction-to-react/issues/new>

It's time to check your knowledge! Use this quiz to create a custom study guide. Note any answers that were marked incorrect, so you can study the relevant material and try this quiz again.

If you don't know the answer to a question, please do not guess. Instead, select "I don't know". It's OK not to know everything and to admit when we're unsure.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	5.75 out of 6

⚠️ Answers will be shown after your last attempt

Score for this attempt: **5.75** out of 6

Submitted May 3 at 6:51am

This attempt took 3 minutes.

Question 1

1 / 1 pts

Which of the following describe React as a library? Select all that apply.

☒ Component-Based

ⓘ Help

Yes!

React encourages us to structure our applications as "components": the building blocks of our web page that handle their own data and UI logic, that can be "composed" together with other components to put together a complete app.

☐ I don't know.

☐ A Model-View-Viewmodel Framework

☒ Declarative

Correct!

React helps us write declarative code, which makes our code easier to understand. Declarative code:

- Describes *what* a program should accomplish (or what the end result should be)
- Leaves the determination of *how* to get to the end result up to the program

☒ Learn Once, Write Anywhere

Nice One! One great thing about React is that it works in a few different environments. Once you learn the key concepts of working with React to create client-side web applications, you can also more easily learn [React Native](https://reactnative.dev/) [\(https://reactnative.dev/\)](https://reactnative.dev/) and write native mobile apps using React, or use tools like [Next.js](https://nextjs.org/) [\(https://nextjs.org/\)](https://nextjs.org/) and [Gatsby](https://www.gatsbyjs.com/docs/) [\(https://www.gatsbyjs.com/docs/\)](https://www.gatsbyjs.com/docs/) to write server-rendered React.

Source/s:

- [What is React?](#)

Of the code examples below, which uses **declarative** syntax?

☐ I don't know.



```
const header = <h1 className="main">Hello from React!</h1>;  
ReactDOM.render(header, document.querySelector("#container")  
);
```

Correct!

With declarative syntax, we are able to leave the determination of *how* to get to the end result up to the program! Therefore, we *don't* need to lay out every step that needs to happen, like we do with imperative syntax.



```
const header = document.createElement("h1");  
header.textContent = "Hi!";  
header.className = "main";  
const container = document.querySelector("#container");  
container.append(header);
```

Source/s:

- [What is React?](#)

Question 3

1 / 1 pts

Match the term with the correct description.

Declarative Programming

Describes what a progr: ▼

Imperative Programming

Explicitly describes the ▼

 **Help**

Nailed it!

Source/s:

- [What is React](#)

Question 4

1 / 1 pts

Which of the following commands will download all the packages listed in a `package.json` file?

☐ \$ npm run

☐ I don't know.

☒ \$ npm install

Correct! We run `npm install` to download all the packages listed in the `package.json` file, and track which versions were installed.

☐ \$ npm start

☐ \$ npm init

Source/s:

- [Intro to NPM](#)

Question 5

1 / 1 |  Help

___ is a package manager for JavaScript that works with your JavaScript project directories via the command line, allowing you to install packages of preexisting code.

NPM

Nailed it!

Source/s:

- [Intro to NPM](#)

Partial

Question 6

0.75 / 1 pts

Why is React useful for developers? Select all that apply.

- ☒ React allows us to create reusable UI components.

Correct!

React encourages us to structure our applications as "components": the building blocks of our web page that handle their own data and UI logic, that can be "composed" together with other components to put together a complete app.

- ☒ It works in many different environments allowing developers to build not only web applications, but mobile applications and server-rendered React.

 Help

Nice One!

One great thing about React is that it works in a few different environments. Once you learn the key concepts of working with React to create client-side web applications, you can also more easily learn [React Native](https://reactnative.dev/) [\(https://reactnative.dev/\)](https://reactnative.dev/) and write native mobile apps using React, or use tools like [Next.js](https://nextjs.org/) [\(https://nextjs.org/\)](https://nextjs.org/) and [Gatsby](https://www.gatsbyjs.com/docs/) [\(https://www.gatsbyjs.com/docs/\)](https://www.gatsbyjs.com/docs/) to write server-rendered React.

☐ I don't know.



React allows us to create applications that can change data, without reloading the page.



React has a great set of developer tools that make it easier to view our components in the browser and debug what's happening under the hood.

100%!

Check out the [React Dev Tools](https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en) [\(https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en\)](https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en) so you can start debugging like a React pro!

Source/s:

- [What is React?](#)
- [React Dev Tools](https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en) [\(https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en\)](https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en)
- [React Native](https://reactnative.dev/) [\(https://reactnative.dev/\)](https://reactnative.dev/)
- [Next.js](https://nextjs.org/) [\(https://nextjs.org/\)](https://nextjs.org/)
- [Gatsby](https://www.gatsbyjs.com/docs/) [\(https://www.gatsbyjs.com/docs/\)](https://www.gatsbyjs.com/docs/)