**React App Exploration:**

* Inspect the existing app at https://codesandbox.io/s/tekcamp-components-101-g46ul
* Point out that:
  + index.js is the root component – calls App component
  + App component calls Header and Footer
  + Header and Footer are imported in App.js
  + Footer is called twice and renders twice in the preview
  + Header and Footer are self-closing tags
  + Code in Header and Footer looks similar to HTML
  + Component file names all start with a capital letter

**First React App:**

* Open Demos>React>first-app in VS Code
* Demonstrate how to initialize a React project using npx create-react-app first-react-app
* Walk students through the list of suggested commands printed in the console once the installation is complete
* Open first-react-app>.gitignore and show the students all of the ignored files
* Open the node\_modules directory and show how large it is to explain to students why it must be ignored
* Open src and create a new file named Header.js
* Suggest react vscode extension: ES7 React snippets by dsznajder
  + Press ctrl + alt + R to search snippets
  + search rcc and walk through the results
  + Search rfc and walk through the results
* Add an h1 with some text
* In the terminal, be sure you’re in first-app>first-react-app and run npm start
* You will see the basic react landing page, but not the recently made header
* Remove all code within the div with className app from App.js
* Save the file and show that the browser page was automatically updated and is now empty
* In Header.js type rfc then enter to create a basic functional component
* Import Header into App and use it in the App div
* Demonstrate that the page automatically reloaded again and now shows the header
* Right click the Header tag and choose Go To Definition to show students how easily you can open the file where a component is defined
* Add another header tag in App.js
* Add a paragraph tag to the Header with some text
* Add an image tag with the src https://picsum.photos/200/300
* Show that the page updated after every save, and we only had to write each bit of code once, but it appears twice