1. Which NPM package did we install so that we could create React projects?

create-react-app

1. What command did we run in order to create the **react-games** project?

npx create-react-app react-games

1. What command do you run to launch your React project in the browser?

npm start

1. What is the ID of the DIV element that contains our React app?

root

1. What is the name of the file that contains the code for the root component in our project?

App.js

1. Explain what the code in **index.js** does.

Gets a handle on the div with the id of “root”. It then injects the jsx from App.js into that div.

1. What does a React component function return?

JSX

1. T/F - Component functions must return a single element.

True

1. What is a **fragment** in JSX?

Basically an empty html tag that wraps other tags. This is done so the React component only returns one element.

1. What is the name of the main style sheet file for a React project?

index.css

**Part 2**

1. How should you name a file that contains code for a React component?

You should use pastel case.

1. T/F - Self-closing elements must include a forward slash before the closing 'greater-than' character (**>**).

True

1. How can you display an image in a React component?

You must import the image using an import keyword. Then use an img tag with the source set to the imported image variable inside curly braces.

1. T/F - In order to use a component inside another component, it must be imported.

True

1. T/F - Attribute names in JSX use camelCasing.

True

1. How do you import the **useState()** function (show the code you would write to import it).

import { useState } from ‘react’;

1. Explain why we made **imgWidth** a 'state' variable.

It allows us to dynamically change the variable and refresh the page when it is changed.

1. Explain what the **useState()** function returns.

The useState() function returns a variable and a method to set the variable.

1. Explain the purpose of the parameter that is passed into the **useState()** function.

The parameter is the default value for the variable.

**Part 3**

1. T/F - When you import a component, you do not need to include the '.js' file extension.

True

1. T/F - CSS modules file names must end with **.module.css**.

True

1. You cannot use the **class** attribute in JSX to assign CSS classes to elements. What attribute must you use instead?

className

1. How should you format the JSX code for an element that has many attributes?

Put each attribute on its own line and indent it.

1. Explain how CSS modules behave differently than a regular style sheet (such as index.css).

You can import them into only the components that you want them to affect. This means the styles won’t be applied to or affect the whole site.

**Part 4**

1. What is a **controlled component**?

A controlled component is a form element where the form data is managed by React instead of the dom.

1. Why did we prevent the default behavior for a submit event (when the Button is clicked in the Question component)?

When a button is used inside a form element, the default behavior of the button is to send the data to do the action attribute or reload the page. React is a single page application so we do not want to reload the page.