

Module 4

Exercise 1(Introduction to ReactJs)

Q1.) Create a simple React app that displays "**Hello, World!**" on the screen.

A 1.) ReactJs

```
import './main.css'
function HelloWorld(){
  return(
    <h2>
      Hello, World!
    </h2>
  );
}

export default HelloWorld;
```

Output



Q2 .) How to set up a React project and render a simple component.

A2.)React Setup

- Open your Terminal or console and run: npx create-react-app first-react
- cd first-react
- npm start

Output

```
dhruv-pandey@TTNPL-dhruv:dir1 (master)$npx create-react-app first-react-app  
Creating a new React app in /home/dhruv-pandey/exercise/dir1/first-react-app.  
Installing packages. This might take a couple of minutes.  
Installing react, react-dom, and react-scripts with cra-template...  
  
added 1295 packages in 1m  
267 packages are looking for funding  
  run `npm fund` for details
```

Hello, World!

Function Component

Class Component

Q3 .) Write a functional component that displays the text "**Functional Component**" and a class component that displays the text "**Class Component**". Then render both components in the **App** component.

A3 .) ReactJs

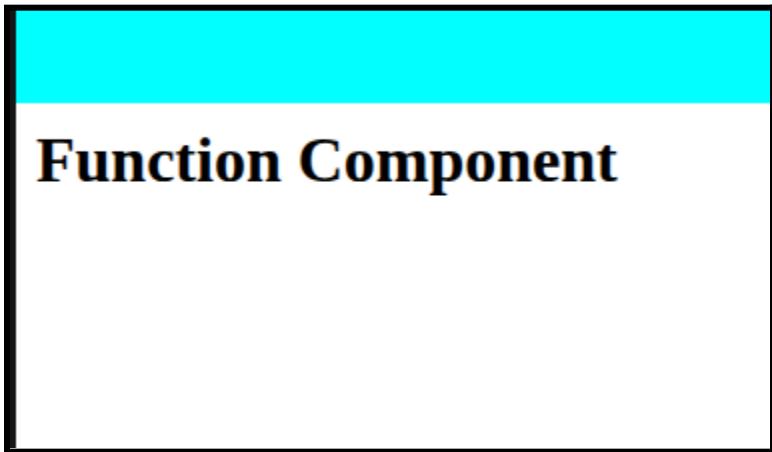
Functional Component

```
Module4 > Exercise1 > q1 > src > components > FunctionBasedComponent.jsx > ...
1 import './main.css'
2 export function FunctionBasedComponent(){
3     return(
4         <h1>Function Component</h1>
5     );
6 }
7
```

Class Component

```
Module4 > Exercise1 > q1 > src > components > ClassBasedComponent.jsx > ...
1 import React from "react"
2 import './main.css'
3 export class ClassBasedComponent extends React.Component{
4     render(){
5         return(
6             <h1>Class Component</h1>
7         )
8     }
9 }
```

Output



Function Component

Class Component

Q4 .) Given the following code, identify the issue and fix it:
const element = <h1>Hello, World!;</h1>;

A4 .) In the above Question the statement Syntax is correct there is no issue in that But If we consider that the intended output of the command should be a header containing a **Hello, World!**. Then there is a logical issue in above code that will not give any error but the rendered output would be wrong the Semicolon inside h1 is the issue here

For fixing this issue just remove the semicolon from the statement and render the element

Issue



Issue of Semicolon
Hello, World!;

Fixed



Fixed
Hello, World!