

# Day 70 Task

## Functional and Class Component

1. Create a class component and render "It is my first class component " using div tag?

**Class component code:**

```
day70reactproject > src > JS First.js > [🔍] default
1  import React from 'react';
2
3  class First extends React.Component {
4      render() {
5          return (
6              <div>
7                  <h1>It is my first class component</h1>
8              </div>
9          )
10     }
11 }
12
13 export default First;
```

2. Create a functional component and render "it is my first functional component" using div tag?

**Function component code:**

```
day70reactproject > src > components > Button.jsx > [🔍] default
1  import React from 'react'
2
3  const Button = () => {
4      return (
5          <div><h1>it is my first functional component</h1></div>
6      )
7  }
8
9  export default Button
```

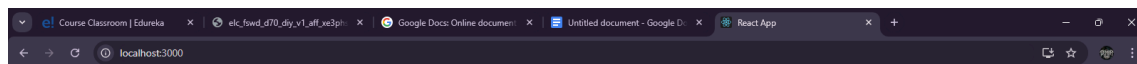
## App code:

```
JS index.js JS First.js JS App.js Button.jsx
day70reactproject > src > JS App.js > ...
1  import Button from './components/Button';
2  import First from './First';
3
4  function App() {
5    return (
6      <div className="App">
7        <First/>
8        <Button/>
9      </div>
10   );
11 }
12
13 export default App;
14
```

## Index code:

```
day70reactproject > src > JS index.js > ...
1  import React from 'react';
2  import ReactDOM from 'react-dom/client';
3  import App from './App';
4
5  const root = ReactDOM.createRoot(document.getElementById('root'));
6  root.render(
7    <React.StrictMode>
8      <App />
9    </React.StrictMode>
10 );
11
```

## Output:



It is my first class component

it is my first functional component

3. What is the difference between a class component and a functional component?

### **Class Components:**

- Defined using **class** keyword.
- Have a **render** method that returns JSX.
- Can have state and lifecycle methods.
- Require **this** keyword to access properties and methods.

### **Functional Components:**

- Defined using functions.
- Return JSX directly.
- Cannot have state or lifecycle methods (until using hooks).
- Don't require **this** keyword.