

REACT CLASS DAY-3

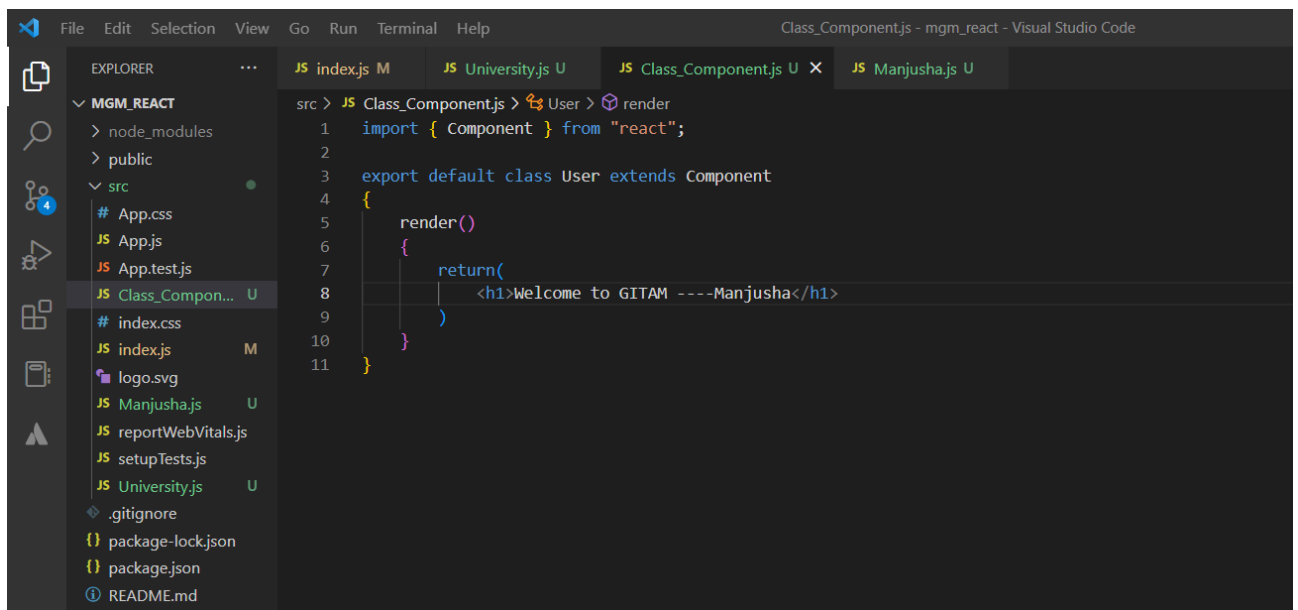
M.G.Manjusha

221910302037

CSE-2 IV year

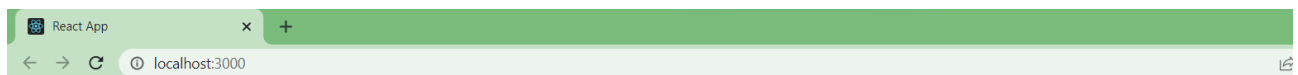
Components are independent and reusable bits of code. Components come in two types, Class components and Function components

1. Class component:

A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows a project named 'MGM_REACT' with a 'src' folder containing files like 'App.css', 'App.js', 'App.test.js', 'Class_Compon...', 'index.css', 'index.js', 'logo.svg', 'Manjusha.js', 'reportWebVitals.js', 'setupTests.js', 'University.js', '.gitignore', 'package-lock.json', 'package.json', and 'README.md'. The 'Class_Compon...' file is selected. The main editor area shows the code for 'Class_Component.js'. The code imports 'Component' from 'react', exports a default class 'User' that extends 'Component', and defines a 'render()' method that returns a JSX element: <h1>Welcome to GITAM ----Manjusha</h1>. The code is as follows:

```
src > JS Class_Component.js > User > render
1  import { Component } from "react";
2
3  export default class User extends Component
4  {
5      render()
6      {
7          return(
8              <h1>Welcome to GITAM ----Manjusha</h1>
9          )
10     }
11 }
```

Output:



Welcome to GITAM ----Manjusha

Usage of variables:

Func.js:

```
function Func()
{
  let data="Manjusha";
  function Apple()
  {
    alert("Function Called");
  }
  return (
    <div className="Func">
      <h1>HelloWorld</h1>
      <h1>{data}</h1>
      <button onClick={Apple}> Click Me</button>
    </div>
  );
}
export default Func;
```

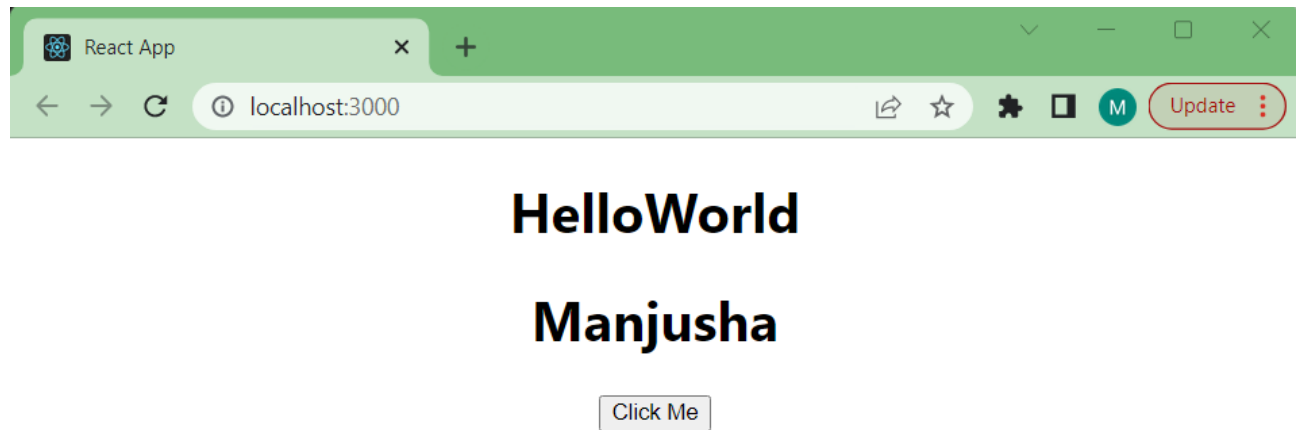
Index.js file: we call App.js

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';
import reportWebVitals from './reportWebVitals';
import Apps from './Day2/Apps'
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App/>
  </React.StrictMode>
);
```

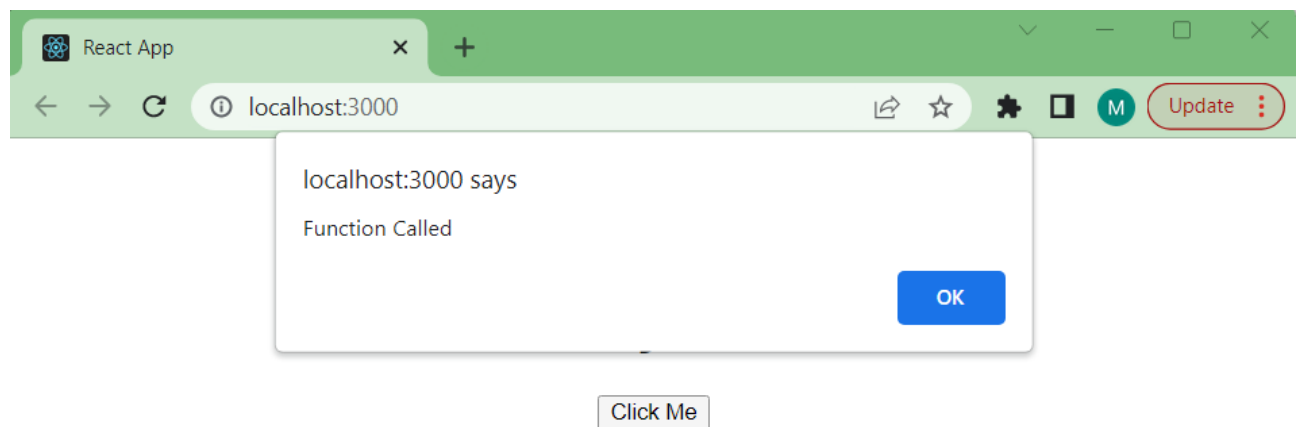
App.js:

```
import Func from './Day3/Func'
import './App.css'
import FuninFun from './Day2/FuninFun'
function App()
{
  return(
    <div className='App'>
      <Func/>
    </div>
  )
}
export default App;
```

Ouput:



After clicking button:



2)

Apple.js :

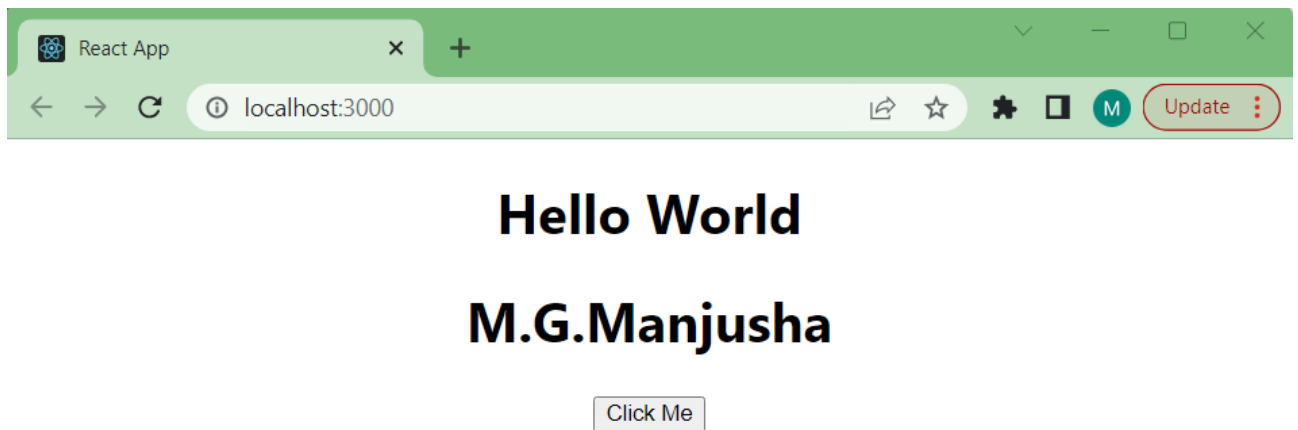
```
function Apple()
{
  let data="M.G.Manjusha"
  function Apple2()
  {
    data="GITAM";
    alert(data);
  }
  return(
    <div className="Apple">
      <h1>Hello World</h1>
      <h1>{data}</h1>
      <button onClick={Apple2}>Click Me</button>
    </div>
  )
}
```

```
}  
export default Apple;
```

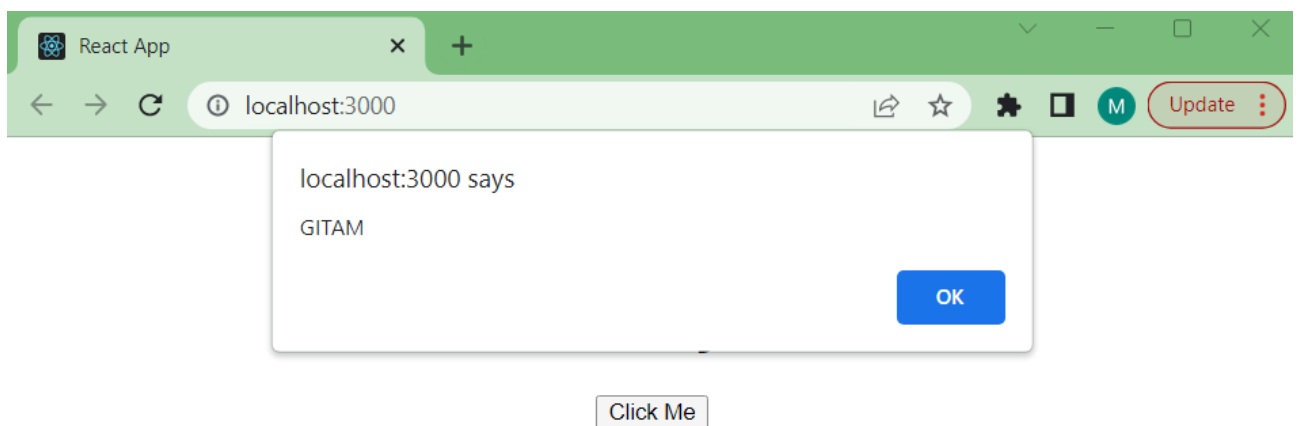
App.js:

```
import './App.css'  
import Apple from './Day3/Apple'  
function App()  
{  
  return(  
    <div className='App'>  
      <Apple/>  
    </div>  
  )  
}  
export default App;
```

output:



After clicking button:



Assignment-1

1. Create a class component called "GITAM" ,that class Component needs to print "WELCOME TO GITAM". Export that class component to App.js and execute the program.

GITAM2.js :

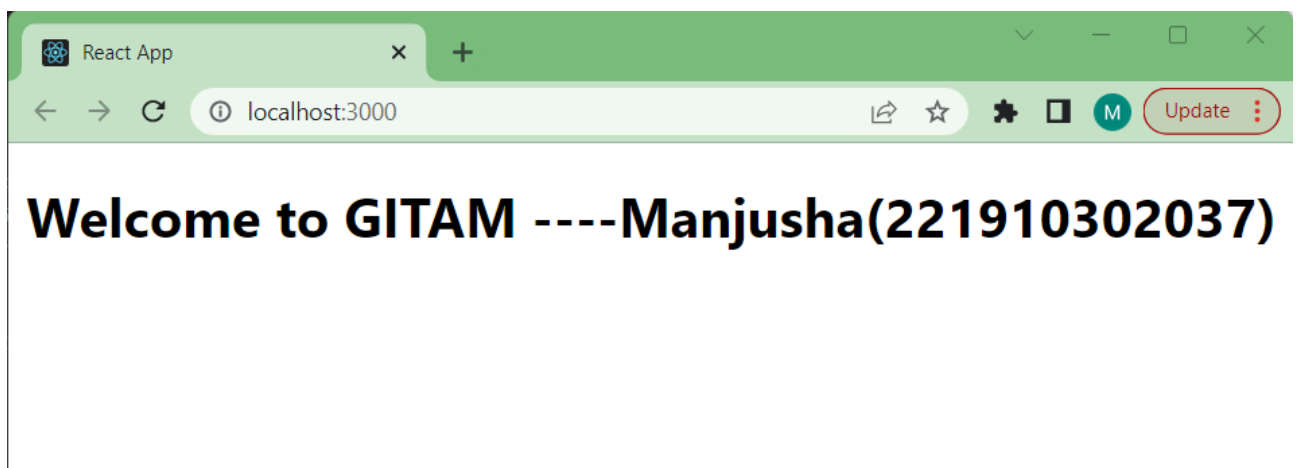
```
import { Component } from "react";

class GITAM2 extends Component
{
  render()
  {
    return(
      <h1>Welcome to GITAM ----Manjusha(221910302037)</h1>
    )
  }
}
export default GITAM2;
```

App.js :

```
import './App.css'
import GITAM2 from './Day3/GITAM2'
function App()
{
  return(
    <div className='App'>
      <GITAM2/>
    </div>
  )
}
export default App;
```

Ouput:



2. In Apps2.js , inside the Apps2 function, create one function called Banana and it need to return your name. Create a button called GITAM, whenever GITAM is clicked, the function should be called.

Apps2.js:

```
function Apps2()
{
  function Banana()
  {
    return(
      alert("M.G.Manjusha")
    )
  }

  return(
    <div className="Apps2">
      <button onClick={Banana}>GITAM</button>
    </div>
  )
}
export default Apps2;
```

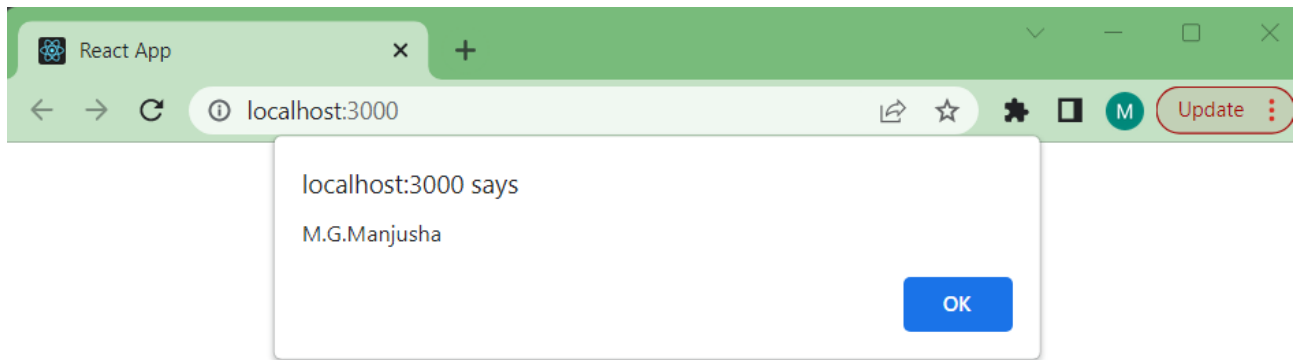
App.js:

```
import './App.css'
import Apps2 from './Day3/Apps2'
function App()
{
  return(
    <div className='App'>
      <Apps2/>
    </div>
  )
}
export default App;
```

Output:



After clicking button:



3. In Uni.js, create a variable item, pass the value UNIVERSITY to that variable and print the value of that variable to the output screen two times by using the variable.

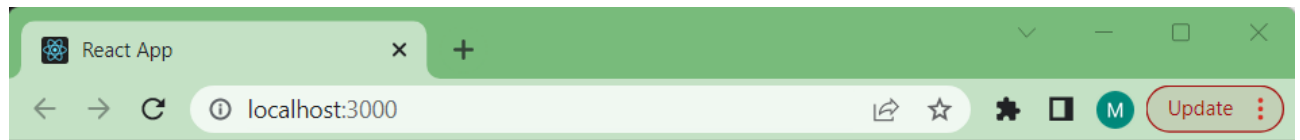
Uni.js:

```
function Uni()
{
  let data="UNIVERSITY"
  return(
    <div className="Uni">
      <h1>{data}</h1>
      <h1>{data}</h1>
    </div>
  )
}
export default Uni;
```

App.js:

```
import './App.css'
import Uni from './Day3/Uni'
function App()
{
  return(
    <div className='App'>
      <Uni/>
    </div>
  )
}
export default App;
```

Output:



UNIVERSITY

UNIVERSITY