DAY3REACT_221910312023

1. **Create a class component that should display your name with a pin number. Import it into App.js**
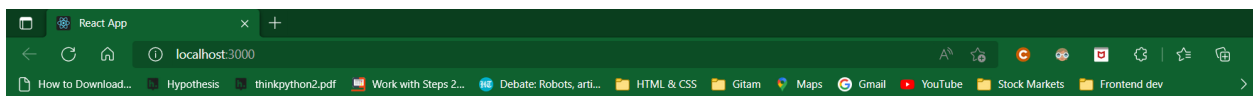
University.js

```
src > JS University.js > ...
    1    import { render } from '@testing-library/react';    234.5k (gzipped: 56.3k)
    2    import React,{Component} from 'react';    6.9k (gzipped: 2.7k)
    3    class University extends Component
    4    {
    5        render()
    6        {
    7            return(
    8                <div className="University">
    9                    <h1>KAUSHIK</h1>
    10                   <h1>221910312023</h1>
    11               </div>
    12               )
    13       }
    14   }
    15   export default University;
```

App.js

```
src > JS App.js > 🔷 App
    1    import logo from './logo.svg';
    2    import './App.css';
    3    import University from './University';
    4
    5    function App() {
    6        return (
    7            <div className="App">
    8                <University />
    9            </div>
    10       );
    11   }
    12
    13   export default App;
```

Output:

🔲 React App   × +

← C ⌂ ① localhost:3000

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KAUSHIK

221910312023

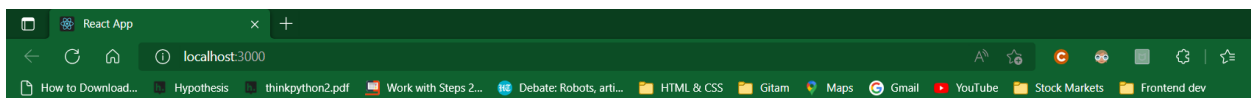## 2. Create a Class Component and import it into index.js

Sample.js

```
src > JS Sample.js > Sample
1    import React,{Component} from 'react';  6.9k (gzipped: 2.7k)
2  ∨ export default class Sample extends Component
3    {
4    render()
5    {
6    return(
7       <div className="User">
8          <h1>WELCOME TO GITAM</h1>
9          <h1> Kaushik</h1>
10      </div>
11      )
12   }
13   }
```

Index.js

```
src > JS index.js > ...
1    import React from 'react';  6.9k (gzipped: 2.7k)
2    import ReactDOM from 'react-dom/client';  511 (gzipped: 318)
3    import './index.css';
4    //import ABC from './ABC';
5    //import XYZ from './XYZ';
6    //import PQR from './PQR';
7    import Sample from './Sample';
8
9    //import GITAM from './GITAM';
10   import reportWebVitals from './reportWebVitals';
11
12   const root = ReactDOM.createRoot(document.getElementById('root'));
13   root.render(
14     <React.StrictMode>
15       <Sample />
16     </React.StrictMode>
17   );
18
19   // If you want to start measuring performance in your app, pass a function
20   // to log results (for example: reportWebVitals(console.log))
21   // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
22   reportWebVitals();
```

Output:

localhost:3000

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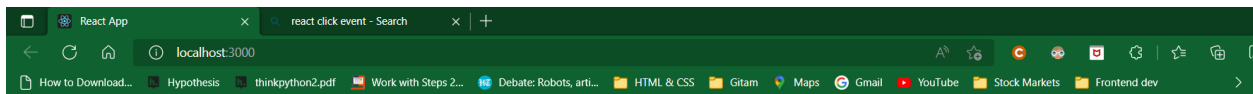
WELCOME TO GITAM

Kaushik
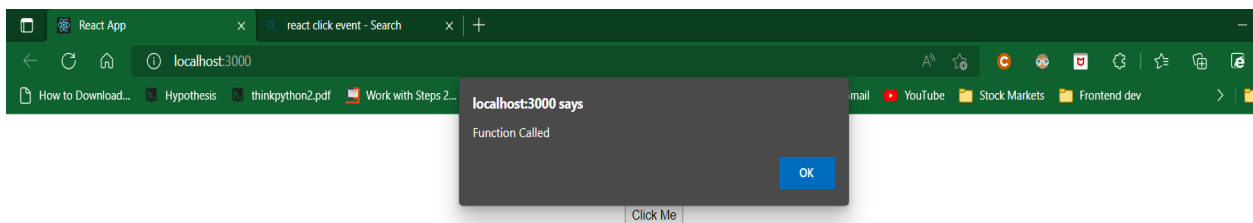
3. Onclick and Button

App.js

```
src > JS App.js > App
1    import logo from './logo.svg';
2    import './App.css';
3    //import University from './University';
4
5    function App()
6    {
7    function Apple()
8    {
9    alert("Function Called");
10   }
11   return (
12   <div className="App">
13     {
14       <div>
15         <h1>HelloWorld</h1>
16         <button onClick={Apple}>Click Me</button>
17       </div>
18     }
19   </div>
20   );
21   }
22   export default App;
```

Outputs:

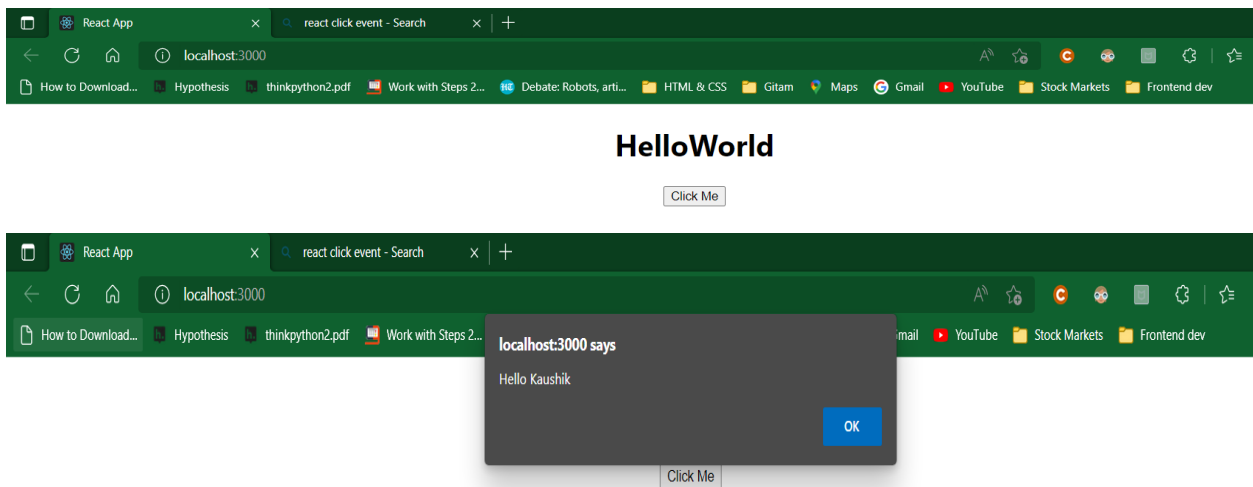**HelloWorld**

Click Me

localhost:3000 says

Function Called

OK

Click Me

4. Use of Arrow function()

App.js:

```
src > JS App.js > App
  1   import logo from './logo.svg';
  2   import './App.css';
  3   //import University from './University';
  4
  5   function App()
  6   {
  7   function Apple()
  8   {
  9   alert("Function Called");
 10   }
 11   return (
 12   <div className="App">
 13     {
 14       <div>
 15         <h1>HelloWorld</h1>
 16         <button onClick={()=>alert("Hello Kaushik")}>Click Me</button>
 17       </div>
 18     }
 19   </div>
 20   );
 21   }
 22   export default App;
```
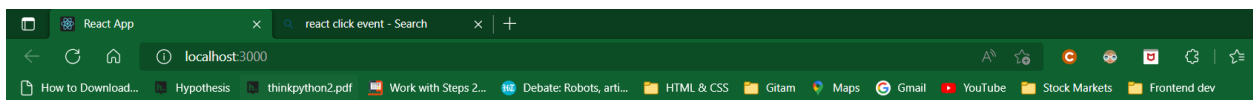
Outputs:

5. Usage of variables(let):

```
src > JS App.js > App
   1    import logo from './logo.svg';
   2    import './App.css';
   3    //import University from './University';
   4
   5    function App()
   6    {
   7    let data="Kaushik";
   8    function Apple()
   9    {
  10    alert("Function Called");
  11    }
  12    return (
  13    <div className="App">
  14    <div>
  15    <h1>HelloWorld</h1>
  16    <h1>{data}</h1>
  17    <button onClick={Apple}> Click Me</button>
  18    </div>
  19    </div>
  20    );
  21    }
  22    export default App;
```
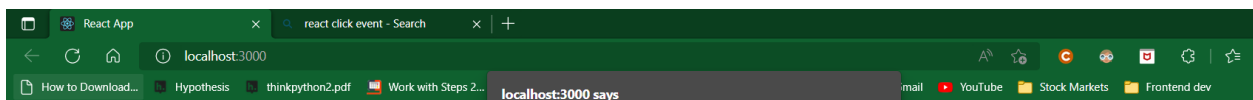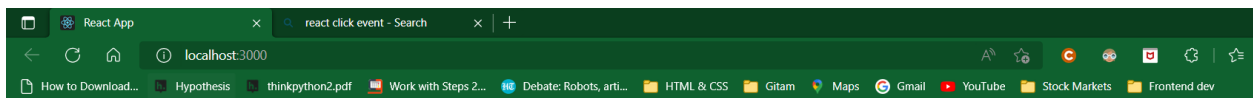
Output:

HelloWorld

Kaushik

Click Me

localhost:3000 says

Function Called

OK

Kaushik

Click Me

6. Usage of variable(let)

App.js

```
src > JS App.js > App
  1    import logo from './logo.svg';
  2    import './App.css';
  3    //import University from './University';
  4
  5    function App()
  6    {
  7    let data="Kaushik";
  8    function Apple()
  9    { data="GITAM";
 10    alert(data);
 11    }
 12    return (
 13    <div className="App">
 14    <div>
 15    <h1>HelloWorld</h1>
 16    <h1>{data}</h1>
 17    <button onClick={Apple}> Click Me</button>
 18    </div>
 19    </div>
 20    );
 21    }
 22    export default App;
 23
```
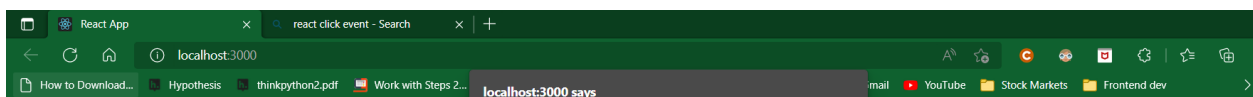
Outputs:

HelloWorld

Kaushik

Click Me

localhost:3000 says

GITAM

OK

Kaushik

Click Me

ASSIGNMENT

1. **Create a class component called "GITAM1" ,that class Component needs to print "WELCOME TO GITAM" and "Name-Pin Number". Export that class component to App.js and execute the program**
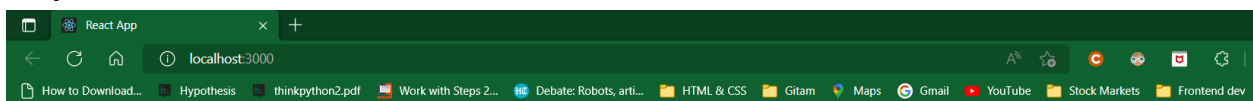
GITAM1.js:

```
src > JS GITAM1.js > [∅] default
1    import { render } from '@testing-library/react';   234.5k (gzipped: 56.3k)
2    import React,{Component} from 'react';   6.9k (gzipped: 2.7k)
3    class GITAM1 extends Component
4    {
5        render()
6        {
7            return(
8                <div className="GITAM1">
9                    <h1>WELCOME TO GITAM</h1>
10                   <h1> Kaushik-221910312023</h1>
11               </div>
12               )
13        }
14   }
15   export default GITAM1;
```

App.js

```
src > JS App.js > ...
1    import logo from './logo.svg';
2    import './App.css';
3    import GITAM1 from './GITAM1';
4
5    function App()
6    {
7    return (
8    <div className="App">
9    <GITAM1 />
10   </div>
11   );
12   }
13   export default App;
```

Output:

| React App | × | + |

← C ⌂ ⓘ localhost:3000

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WELCOME TO GITAM

Kaushik-221910312023

2. **In App.js , inside the App 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.**

App.js

```
function App()
{
function Banana()
{
alert("Kaushik");
}
return (
<div className="App">
<div>
<h1>HelloWorld</h1>
<button onClick={Banana}>GITAM</button>
</div>
</div>
);
}
export default App;
```
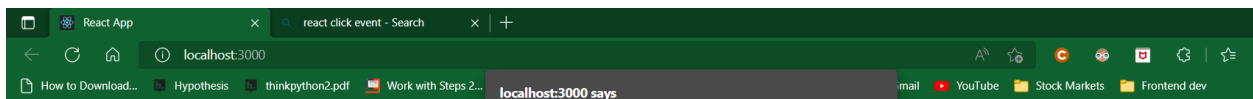
Outputs:

HelloWorld
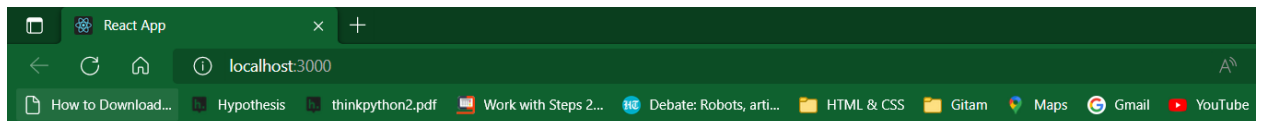
GITAM

localhost:3000 says

Kaushik

OK

GITAM

3. **In App.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.**

App.js:

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

Output:

Kaushik

University

University