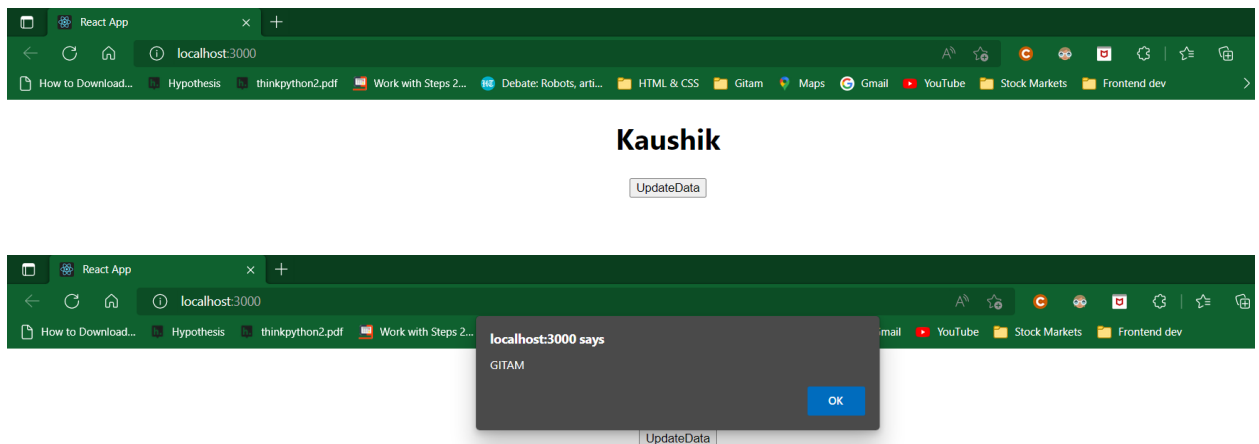# Day4React_221910312023

1. **Program without using State**

App.js:

```jsx
function App() {
    let data="Kaushik";
    function updateData()
    {
    data="GITAM";
    alert(data);
    }
    return (
    <div className="App">
    <h1>{data}</h1>
    <button onClick={updateData}>UpdateData</button>
    </div>
    );
}
export default App;
```
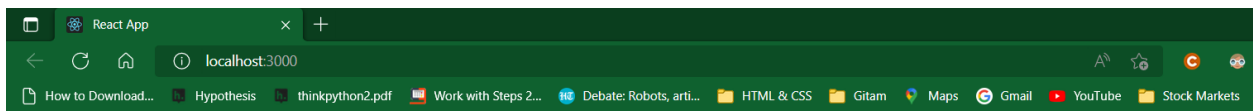
Output:

2. Using State with Functional Component

App.js:

```javascript
import {useState} from 'react';

function App() {
    const[Data,setData]=useState("Kaushik");
    function updateData() {
        setData("221910312023");
    }
    return(
    <div className="App">
        <h1>{Data}</h1>
        <button onClick={updateData}> Update Name </button>
    </div>
    )
}
export default App;
```
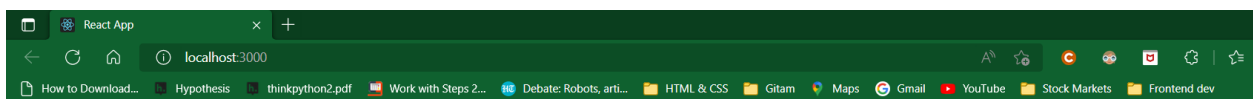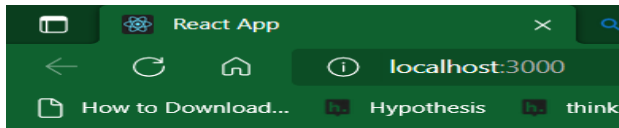
Output:

Kaushik

Update Name

221910312023

Update Name

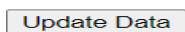### 3. Program which explains the concept of using State in Class Component

App.js:

```jsx
import React,{Component} from 'react';
class App extends Component
{
constructor()
{
super();
this.state={
data:1
}
}
apple()
{
this.setState({data:this.state.data+1})
}
render()
{
return (
<div className="App">
<h1>{this.state.data}</h1>
<button onClick={()=>this.apple()}>Update Data</button>
</div>
)
}
}
export default App;
```
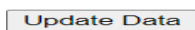
Output:

1

Update Data

2

Update Data

ASSIGNMENT-2:

1. Declare a variable called GITAM and initially pass the value as your "name" to GITAM .declare a function called Assignment2 in App function. In that Assignment2 function,update the value of GITAM to Assignment3 . In function App ,display the value of GITAM and create a Button called "YourName_Assignment". When that button is clicked , it needs to display the Assignment3 and updated value of GITAM(by using state in Functional Component).
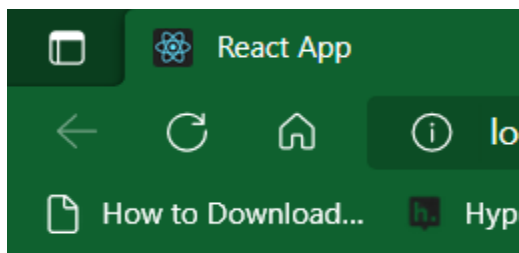
App.js:

```jsx
import {useState} from 'react';

function App() {
    const[GITAM,setGITAM]=useState("Kaushik");
    function Assignment2() {
        setGITAM("Assignment3");
    }
    return(
    <div className="App">
        <h1>{GITAM}</h1>
        <button onClick={Assignment2}> YourName_Assignment </button>
    </div>
    )
}
export default App;
```
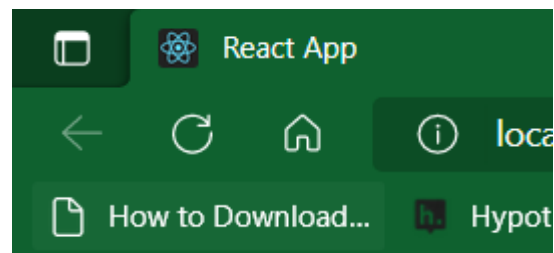
Output:

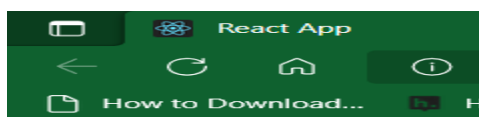| Before	After

Kaushik

YourName_Assignment

Assignment3

YourName_Assignment

2. Declare a variable called GITAM_PinNumber and initially pass the value as your "name" to GITAM .declare a function called Assignment2_PinNumber in App function.In that Assignment2 function,update the value of GITAM to Assignment3_PinNumber . In function App ,display the value of GITAM and create a Button called "YourName_Assignment". When that button is clicked , it needs to display the Assignment3 and updated value of GITAM(by using state in Class Component).
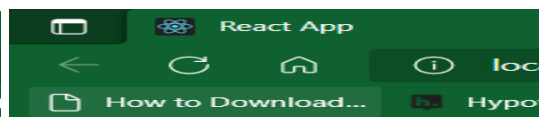
App.js:

```jsx
import React,{Component} from 'react';
class App extends Component
{
constructor()
{
super();
this.state={
gitam:"kaushik"
}
}
Assignment2()
{
this.setState({gitam:"Assignment3"})
}
render()
{
return (
<div className="App">
<h1>{this.state.gitam}</h1>
<button
onClick={()=>this.Assignment2()}>YourName_Assignment</button>
</div>
)
}
}
export default App;
```

Output:

kaushik

YourName_Assignment

Assignment3

YourName_Assignment