1. Write a React-JS Program using useState hook.

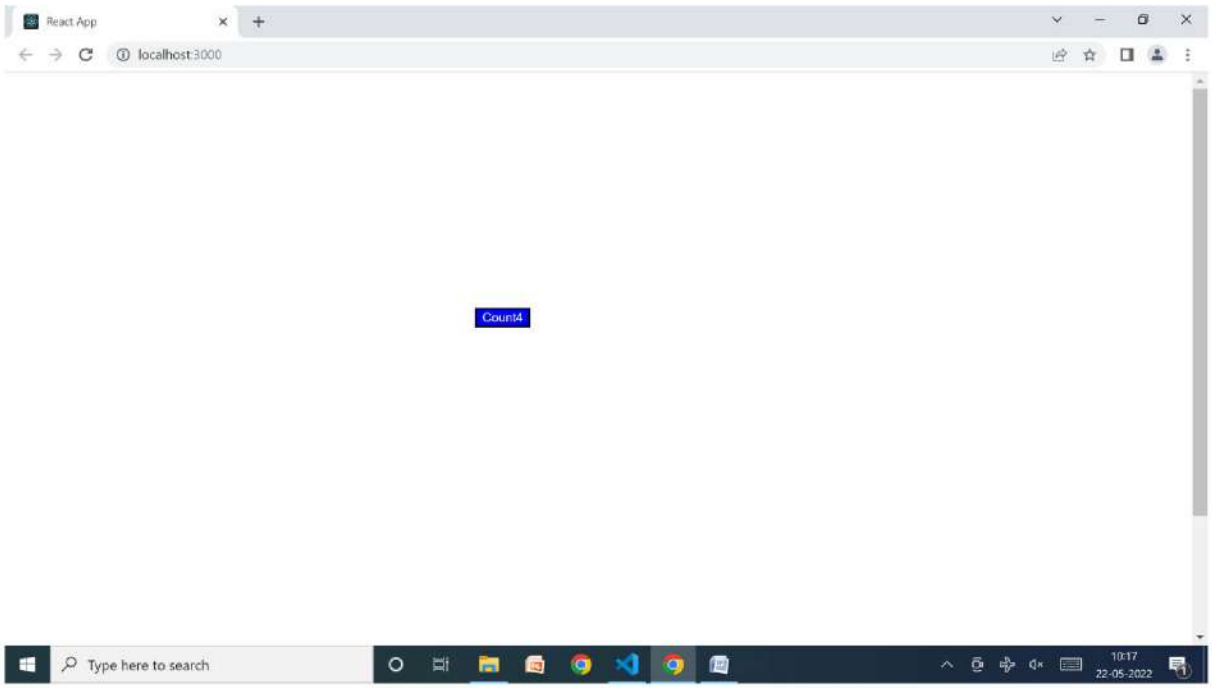
App.js

```
import React,{useState} from 'react'

export default function App() {
  const [count,setcount]=useState(0);
  return (
    <div>
      <button onClick={()=>setcount(count+1)}>Count{count}</button>
    </div>
  )
}
```

Index.css

```
button{
  background-color: blue;
  color: white;
  text-align: center;
  margin: 250px 500px 500px 500px;
}
```

Output



2. Write a React-Js Program to style a web page using CSS3.

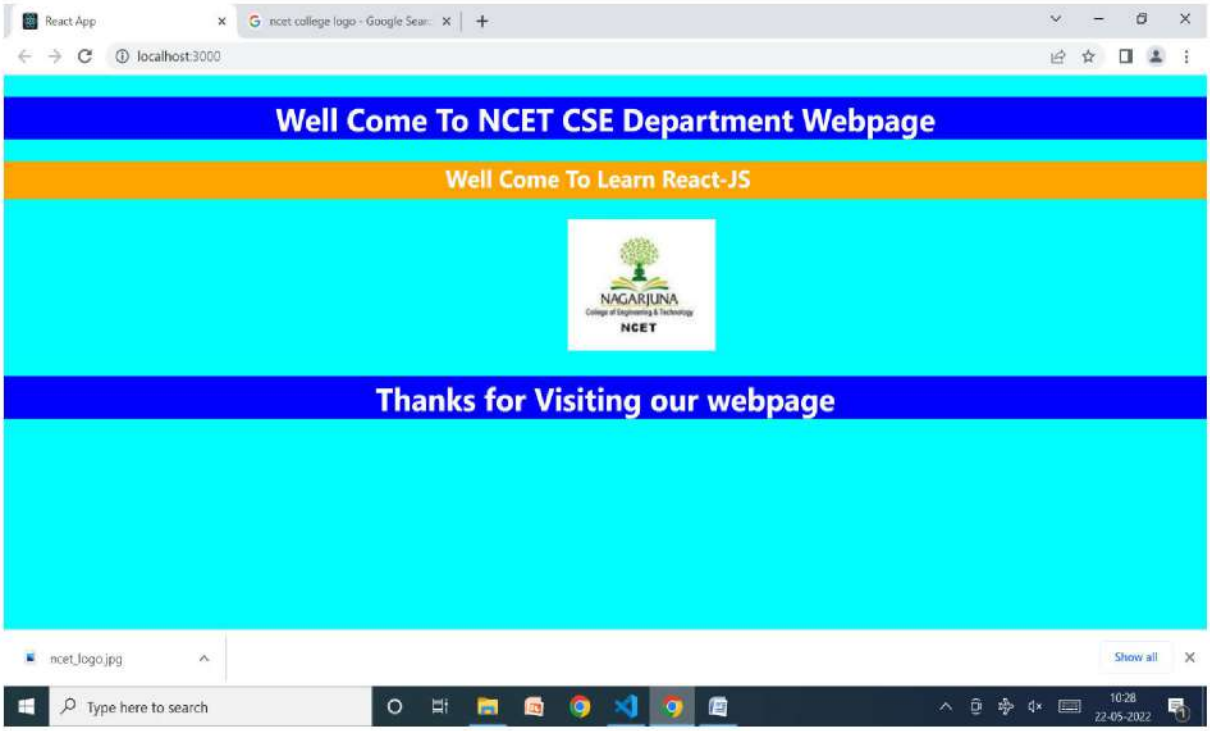
App.js

```
import React, { Component } from 'react'
import Logo from'./component/image/ncet_logo.jpg'
export default class App extends Component {
  render() {
    return (
      <div>
        <h1> Well Come To NCET CSE Department Webpage</h1>
        <h2><marquee>Well Come To Learn React-JS</marquee></h2>
        <img src={Logo} alt="image error"></img>
        <h1>Thanks for Visiting our webpage</h1>

      </div>
    )
  }
}
```

index.css

```
body{
  background-color: aqua;
}
h1{
  background-color: blue;
  color: white;
  text-align: center;
  }
  h2{
    background-color: orange;
    color: white;
    text-align: center;
    }
    img{
      margin-left: 600px;
    }
```

Output


React App
ncet college logo - Google Sear
localhost:3000
Well Come To NCET CSE Department Webpage
Well Come To Learn React-JS
NAGARJUNA
NCET
Thanks for Visiting our webpage
ncet_logo.jpg
Show all
Type here to search
10:28
22-05-2022

3 Write a React-JS Program to fetch details from spotify API or JSONplaceholder API.

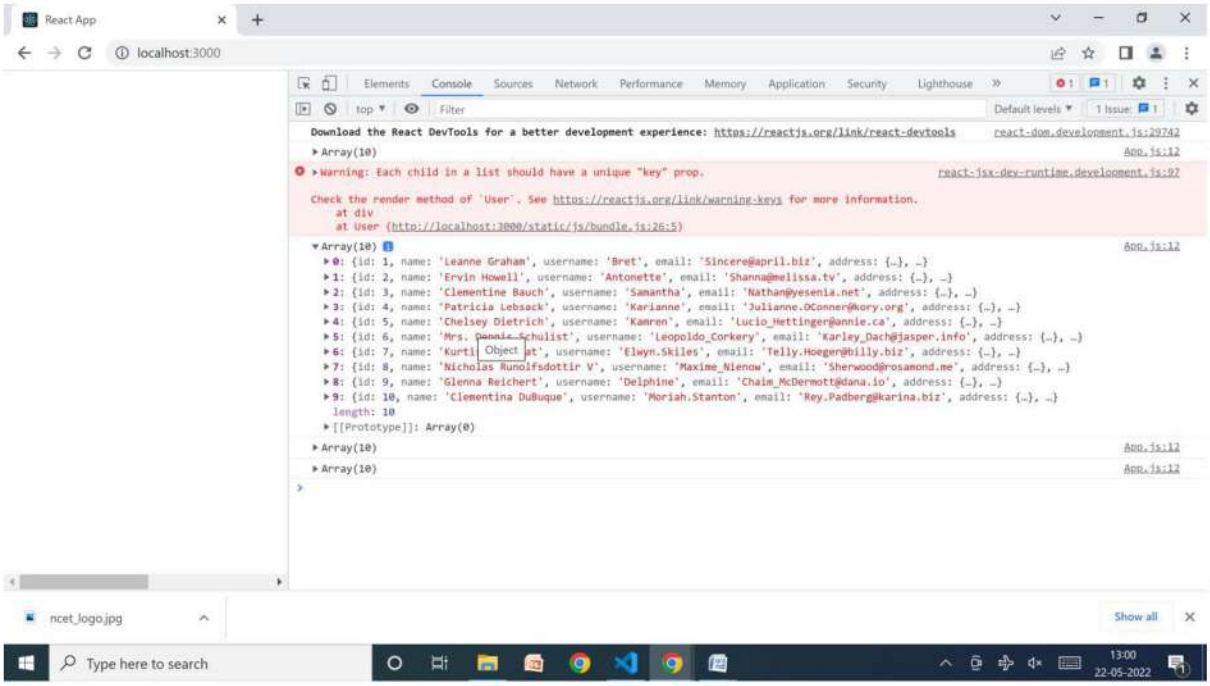
App.js

```
import React, { Component } from 'react'

export default class User extends Component {

  state = {
    users: []
  };
   componentDidMount(){
    fetch(`https://jsonplaceholder.typicode.com/users`)
    .then(response => response.json())
    .then(res => {
      console.log(res);
      this.setState({
        users: res
      });
    }).catch(err => {
      console.log(err);
    });
  }

  render() {

   return (
    <div className="row">
      {
        this.state.users.map(item => {
          return (
            <div className='root'>{item.name}</div>
          )
        })
      }
      </div>)
 }
}
```

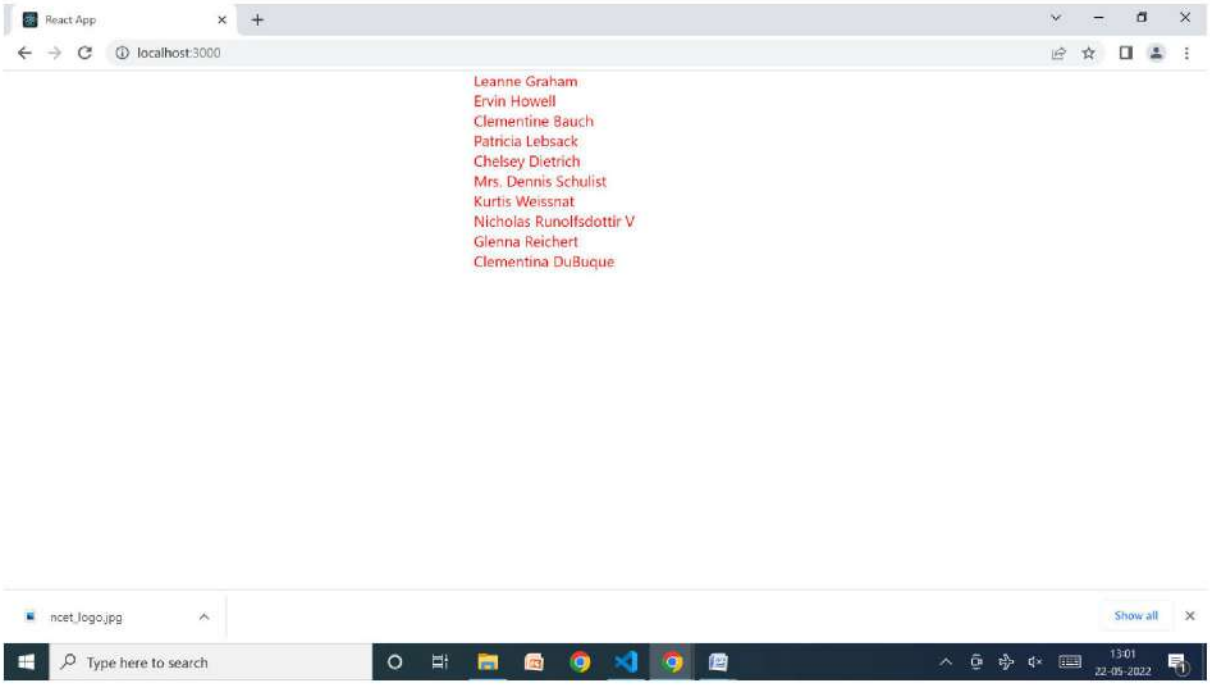
index.css

```
.root{
 color: red;
 margin-left: 500px;
}
```

Output 1



Output 2



4. Write a React-Js Program to implementing routing using react-router-dom package.

App.js

```
import React from "react";
import { BrowserRouter as Router, Route,Routes,Link} from "react-router-dom";
import Page1 from "./component/Page1"
import Page2 from "./component/Page2"
import Page3 from "./component/Page3"
import Home from "./component/Home";
function App() {
return (
  <div className="App">
  <Router>
  <ul>
  <li><Link to="Home">Home</Link></li>
  <li><Link to="Page1">Page 1</Link></li>
  <li><Link to="Page2">Page 2</Link></li>
  <li><Link to="Page3">Page 3</Link></li>
  </ul>
    <Routes>
    <Route exact path="/Home" element={<Home />} />
    <Route exact path="/Page1" element={<Page1 />} />
      <Route exact path="/Page2" element={<Page2 />} />
    <Route exact path="/Page3" element={<Page3 />} />
    </Routes>
  </Router>
  </div>
);
}
export default App;
```

components: Home, Page1, Page2, Page3

```
import React from 'react'

export default function Home() {
  return (
    <div> Well come to home component</div>
  )
}
```

```
import React from 'react'

export default function Pag1() {
  return (
```

```
    <div> Well come to Page1 </div>
  )
}
```

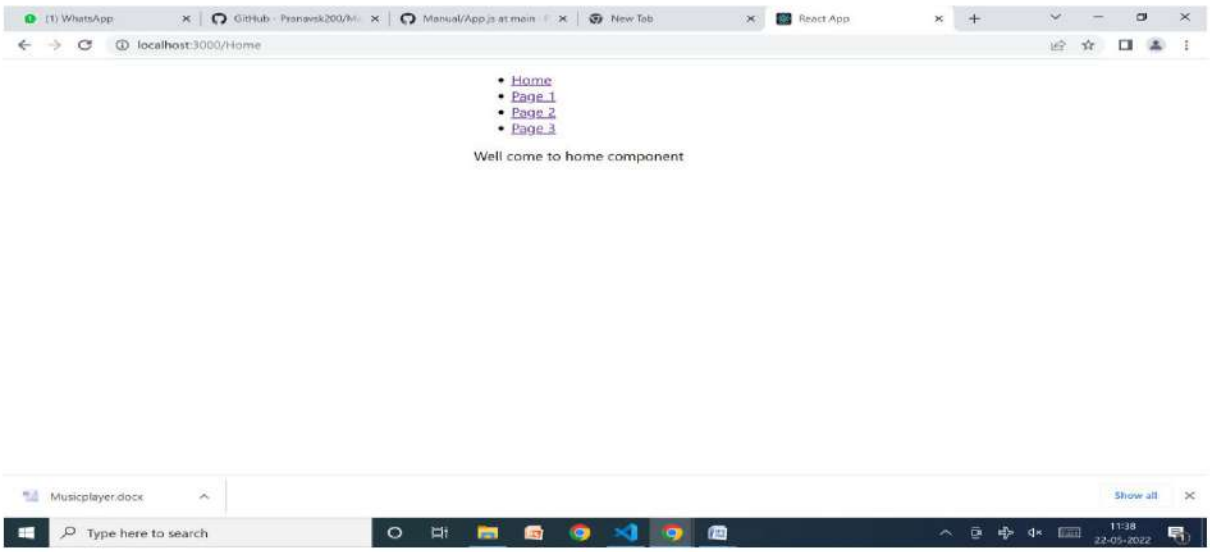
```
import React from 'react'

export default function Page2() {
  return (
    <div> Well come to Page2 </div>
  )
}
```

```
import React from 'react'

export default function Page3() {
  return (
    <div> Well come to Page3 </div>
  )
}
```

Index.css

```
.App{
  margin-left: 500px;
  }
```

Output



5. Write a React-JS Program to implement digital clock using hook

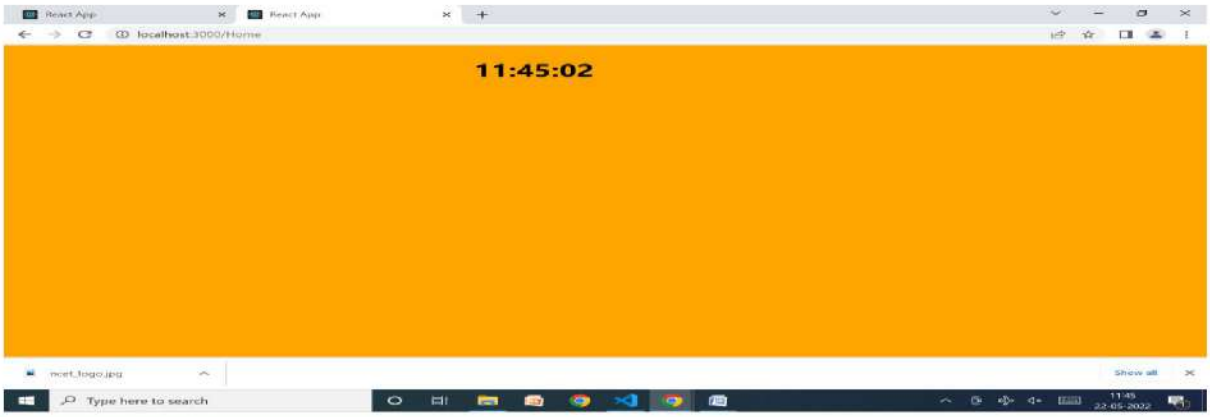
App.js

```
import React,{ useState} from 'react';

function App() {
  let time = new Date().toLocaleTimeString();

  const [Ctime,setCtime] = useState(time);

  const update = () =>{
    let time = new Date().toLocaleTimeString();
    setCtime(time);
  };
  setInterval(update,1000)
  return (
    <div className="App">
      <header className="App-header">
        <h1>{Ctime}</h1>
      </header>
    </div>
  );
}

export default App;
```

index.css

```
.App{
  margin-left: 500px;
  }
  body{
    background-color: orange;
  }
```

Output



6. Write a React-Js program create login form

App.js

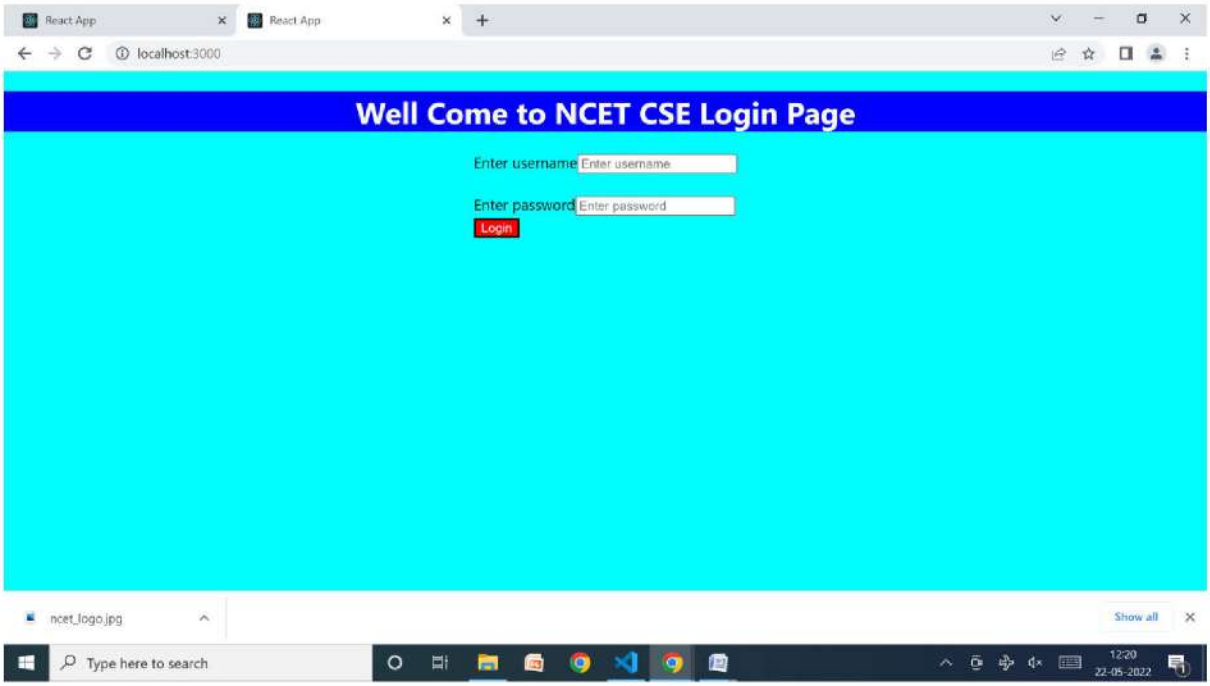
```
import React, { Component } from 'react'

export default class App extends Component {
 render()
 {
  return (
    <div>
        <h1>Well Come to NCET CSE Login Page</h1>
        <div className="root">
        <form>
          <label>Enter username</label>
          <input type="text" placeholder='Enter username' /><br /><br />

          <label>Enter password</label>
          <input type="password" placeholder='Enter password' /><br />

          <input type="submit" value="Login" className="log"></input>

        </form>
          </div>
      </div>

  )
 }
}
```

index.css

```
body{
  background-color: aqua;

 }
 h1{
  background-color: blue;
  color: white;
  text-align: center;
 }
 .log{
  background-color: red;
  color: white;
  text-align: center;
 }
 .log:hover{
  background-color: blue;
  color: white;
```

```
}
.root{
  margin-left: 500px;
}
```

Output



7. Write a React-Js program create a simple greeting website

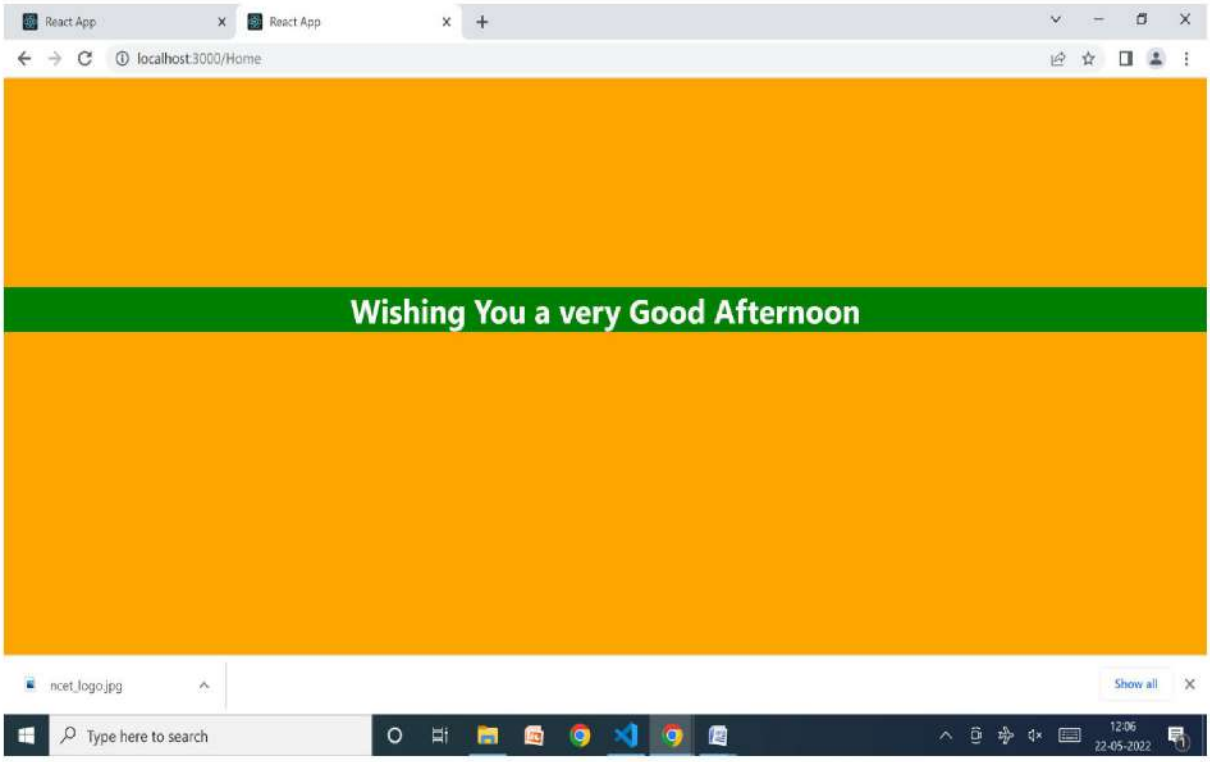
App.js

```
import React from "react";
function App() {
  let currDate = new Date();
  currDate = currDate.getHours();
  let greeting;

    if (currDate >= 1 && currDate < 12) {
    greeting = "Good Morning";
    } else if (currDate >= 12 && currDate < 18) {
    greeting = "Good Afternoon";

  } else if (currDate >= 18 && currDate < 20) {
    greeting = "Good Evening";

  } else if (currDate >= 20 && currDate < 24) {
    greeting = "Good Night";

  }
  return (
        <div>
       <h1>
        Wishing You a very {greeting}
       </h1>
      </div>
    );
}

export default App;
```

index.css

```
body{
    background-color: orange;
  }
  h1{
    background-color: green;
    color: white;
    text-align: center;
    margin: 200px auto;
  }
```

Output


React App
React App
localhost:3000/Home
Wishing You a very Good Afternoon
ncet_logo.jpg
Show all
Type here to search
12:06
22-05-2022