

Assignment 6A

Roll No 71 Batch T14

Aim : WAP to implement the concept of props and state. Create a functional component and pass current date as props and in class component on button click display both date and time with change font and color.

Code:

1. App.js

```
import React, {useState} from 'react';
import FunctionC from "../Componenets/FunctionC"
import ClassC from "../Componenets/ClassC"
import "../App.css"

function App() {

  const [newdate,setNewdate] = useState(new Date());
  console.log(newdate.toLocaleDateString());

  return (
    <>
      <FunctionC date = {newdate.toLocaleDateString()}></FunctionC>
      <ClassC hour= {newdate.getHours()} minute= {newdate.getMinutes()} sec=
{newdate.getSeconds()}></ClassC>
    </>
  );
}

export default App;
```

2. App.css

```
.functional{
  background-color: #44bef1;
  margin: 20px;
  padding: 20px;
}

.class{
  background-color: #4ff144;
  margin: 20px;
  padding: 20px;
}
```

3. Functional Component (FunctionC.js)

```
import React from 'react'

export default function FunctionC(props) {

  return (
    <>
      <div className='functional'>
        <h1>Functional Component</h1>
        Current date passed as props -
        <h2>{props.date}</h2>
      </div>
    </>
  )
}
```

4. Class Component (ClassC.js)

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

export default class ClassC extends Component {

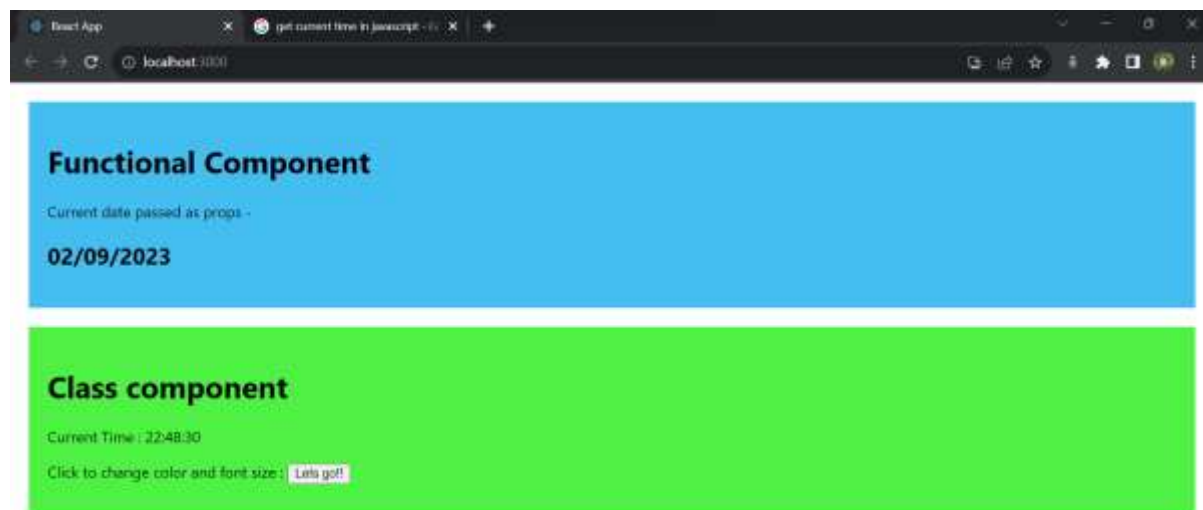
  state = {
    style: {},
  };

  changeState = () => {
    this.setState({
      style: {
        color: "#b5b",
        fontSize: "3rem",
      },
    });
  };

  render() {
    const { hour, minute, sec } = this.props;
    console.log(minute);
    return (
      <>
        <div className="class">
          <h1>Class component</h1>
          <p style={this.state.style}>
            Current Time : {hour}:{minute}:{sec}
          </p>
          <p>Click to change color and font size : <button
onClick={this.changeState}>Lets go!!</button></p>
        </div>
      </>
    );
  }
}
```

```
    </div>
  </>
);
}
}
```

Output :



On clicking the button:

