



PARSHVANATH CHARITABLE TRUST'S

**A. P. SHAH INSTITUTE OF TECHNOLOGY**

**Department of Information Technology**

**(NBA Accredited)**



**Academic Year: 2024-25**

**Semester: V**

**Class / Branch/ Div: TE- IT C**

**Subject: IP Lab**

**Name of Student: Vijay Madiwal**

**Student ID: 23204010**

**Roll No. 14**

**Date of Submission: 24-09-2024**

## **Experiment No: 8**

**Aim:** Write a program to demonstrate Functional Component with props using React JS.

**Software Used:** VS code

### **Code & Output:**

#### **MyFunctionComponent.js :**

```
import React from 'react'
import logo from './logo.svg';

function MyFunctionComponent() {
  const change = function () {
    alert("image is loaded")
    document.write("<h1>here is new content</h1>")
    document.write("<ul><li>Apple</li><li>Mango</li><li>Orange</li></ul>")
  }
  return (
    <div>
      <h1>Demo for Functional component</h1>
      <img id="i" src={logo} alt='logo' width="380" height="380"></img><br></br>
      <button onClick={change}>Click Here</button>
    </div>
  )
}
```



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```
</div>
```

```
)
```

```
}
```

```
export default MyFunctionComponent
```

**App.js :**

```
import React from 'react';
```

```
import './App.css';
```

```
import MyFunctionComponent from './MyFunctionComponent';
```

```
function App() {
```

```
  return (
```

```
    <div className="App">
```

```
      <MyFunctionComponent />
```

```
    </div>
```

```
  );
```

```
}
```

```
export default App;
```



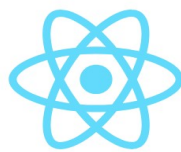
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**Output :**



**Demo for Functional component**



[Click Here](#)



**Demo for Functional component**



localhost:3000

image is loaded

OK

[Click Here](#)



**here is new content**

- Apple
- Mango
- Orange



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### **MyClassComponent.js :**

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

```
class MyClassComponent extends Component {
```

```
  render() {
```

```
    return (
```

```
      <div>
```

```
        <h1>Demo for Class component</h1>
```

```
        <h2>To Do List</h2>
```

```
        <table align="center" border="5" cell padding="10" cellpadding="10">
```

```
          <tr>
```

```
            <th>Activity</th>
```

```
            <th>Remark</th>
```

```
          </tr>
```

```
          <tr>
```

```
            <td>To complete Assignment</td>
```

```
            <td> Done</td>
```

```
          </tr>
```

```
          <tr>
```

```
            <td>To complete Practical no 6</td>
```

```
            <td> Not Done</td>
```

```
          </tr>
```

```
          <tr>
```

```
            <td>To purchase books</td>
```

```
            <td> Not Done</td>
```

```
          </tr>
```

```
          <tr>
```

```
            <td>To check experiments</td>
```



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```
<td> Not Done</td>
```

```
</tr>
```

```
<tr>
```

```
<td>To fill exam form</td>
```

```
<td>Done</td>
```

```
</tr>
```

```
</table>
```

```
</div>
```

```
)
```

```
}
```

```
}
```

```
export default MyClassComponent
```

**App.js :**

```
import './App.css';
```

```
import MyClassComponent from './MyClassComponent';
```

```
function App() {
```

```
  return (
```

```
    <div className="App">
```

```
      <MyClassComponent />
```

```
    </div>
```

```
  );
```

```
}
```

```
export default App;
```



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## Output :



### Demo for Class component

#### To Do List

Activity	Remark
To complete Assignment	Done
To complete Practical no 6	Not Done
To purchase books	Not Done
To check experiments	Not Done
To fill exam form	Done

## Conclusion :

In conclusion, using props in functional components in React makes it easy to create reusable and organized code. This allows us to pass data between components, enhancing interactivity. Overall, mastering props is key to building user-friendly applications in React.