
Pre-Lab Exercises – Experiment 7

Exercise 1: My First Component

Code:

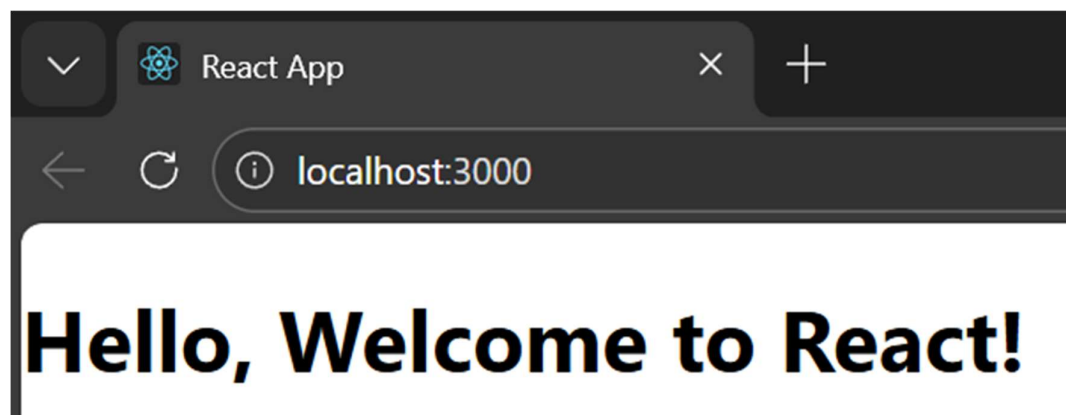
Hello.js

```
src > JS Hello.js > ...
1  function Hello() {
2    |   return <h1>Hello, Welcome to React!</h1>;
3    |
4    |
5    |   export default Hello;
6    |
```

App.js

```
src > JS App.js > ...
1  import Hello from "./Hello";
2
3  function App() {
4    |   return <Hello />;
5    |
6    |
7    |   export default App;
8    |
```

Output:



Exercise 2: Passing Props (Name Card)

Code:

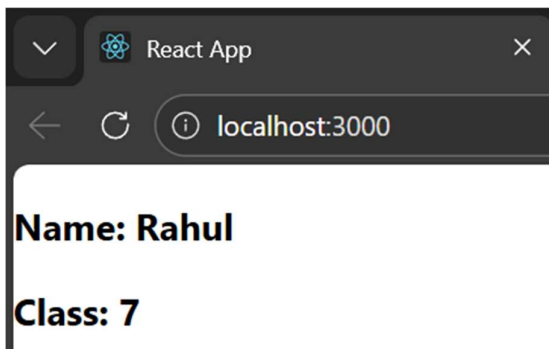
Student.js

```
src > JS Student.js > ...
1  function Student(props) {
2    return (
3      <div>
4        <h3>Name: {props.name}</h3>
5        <h3>Class: {props.class}</h3>
6      </div>
7    );
8  }
9
10 export default Student;
11
```

App.js

```
src > JS App.js > ...
1  import Student from "./Student";
2
3  function App() {
4    return <Student name="Rahul" class="7" />;
5  }
6
7  export default App;
8
```

Output:



Exercise 3: Reusable Button

Code:

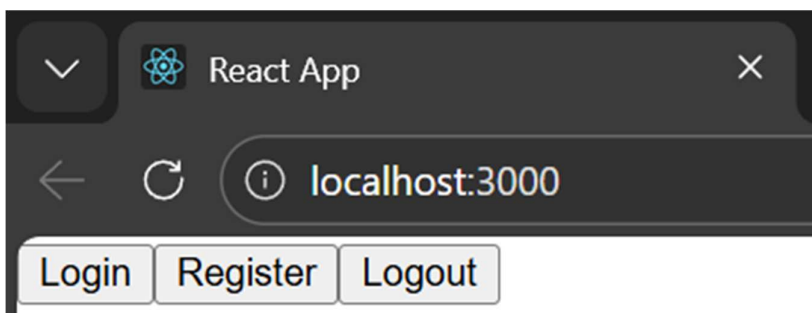
Button.js

```
src > JS Button.js > ...
1  function Button(props) {
2    |   return <button>{props.text}</button>;
3    | }
4
5    export default Button;
6
```

App.js

```
src > JS App.js > ...
1  import Button from "../Button";
2
3  function App() {
4    |   return (
5    |     <div>
6    |       <Button text="Login" />
7    |       <Button text="Register" />
8    |       <Button text="Logout" />
9    |     </div>
10   |   );
11   | }
12
13   export default App;
14
```

Output:



Exercise 4: Website Parts

Code:

Header.js

```
src > JS Header.js > ...
1  function Header() {
2    return <h1>My School Website</h1>;
3  }
4  export default Header;
5
```

Content.js

```
src > JS Content.js > ...
1  function Content() {
2    return <p>Welcome Students!</p>;
3  }
4  export default Content;
5
```

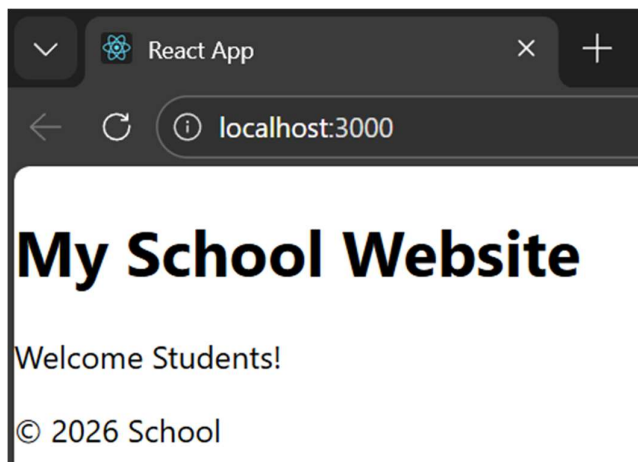
Footer.js

```
src > JS Footer.js > ...
1  function Footer() {
2    return <p>© 2026 School</p>;
3  }
4  export default Footer;
5
```

App.js

```
src > JS App.js > ...
1  import Header from './Header';
2  import Content from './Content';
3  import Footer from './Footer';
4
5  function App() {
6    return (
7      <div>
8        <Header />
9        <Content />
10       <Footer />
11     </div>
12   );
13 }
14
15 export default App;
16
```

Output:

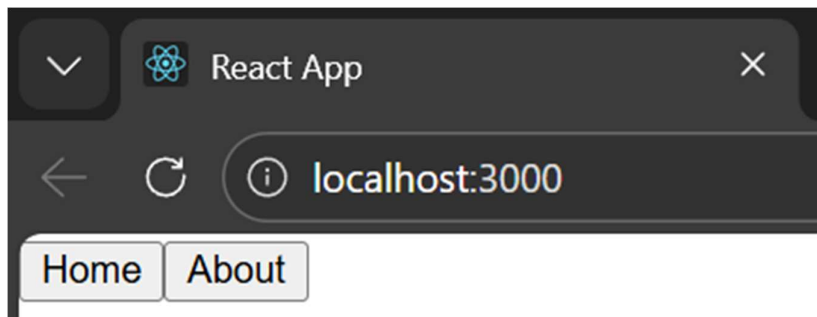


Exercise 5: SPA Thinking (No Reload)

App.js

```
src > JS App.js > ...
 1  import { useState } from "react";
 2
 3  function App() {
 4    const [text, setText] = useState("");
 5
 6    return (
 7      <div>
 8        <button onClick={() => setText("This is Home Page")}>Home</button>
 9        <button onClick={() => setText("This is About Page")}>About</button>
10
11        <h2>{text}</h2>
12      </div>
13    );
14  }
15
16  export default App;
17
```

Output:



Exercise 6: Parent → Child Message

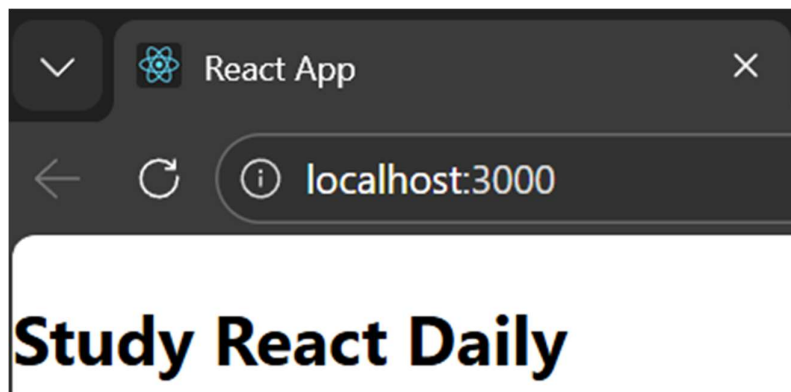
Message.js

```
src > JS Message.js > ...
1  function Message(props) {
2    |   return <h2>{props.msg}</h2>;
3    | }
4
5    export default Message;
6
```

App.js

```
src > JS App.js > ...
1  import Message from "./Message";
2
3  ✓ function App() {
4    |   const message = "Study React Daily";
5    |
6    |   return <Message msg={message} />;
7    | }
8
9    export default App;
10
```

Output:



Exercise 7: My Profile Card

ProfileCard.js

```
src > JS ProfileCard.js > ...
1  function ProfileCard(props) {
2    return (
3      <div>
4        <h3>Name: {props.name}</h3>
5        <h3>Age: {props.age}</h3>
6        <h3>Favorite Subject: {props.subject}</h3>
7      </div>
8    );
9  }
10
11  export default ProfileCard;
12
```

App.js

```
src > JS App.js > ...
1  import ProfileCard from "../ProfileCard";
2
3  function App() {
4    return (
5      <ProfileCard
6        name="Anaya"
7        age="12"
8        subject="Science"
9      />
10    );
11  }
12
13  export default App;
14
```

Output:

