
Pre-Lab Exercises – Experiment 7

Exercise 1: My First Component

Code:

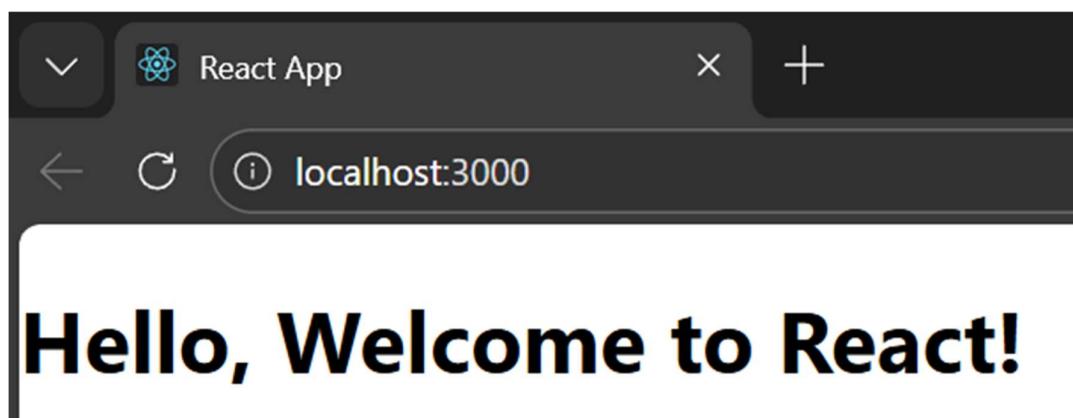
Hello.js

```
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:

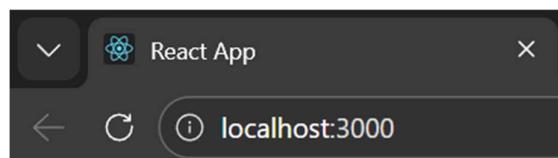
Student.js

```
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:



Name: Rahul

Class: 7

Exercise 3: Reusable Button

Code:

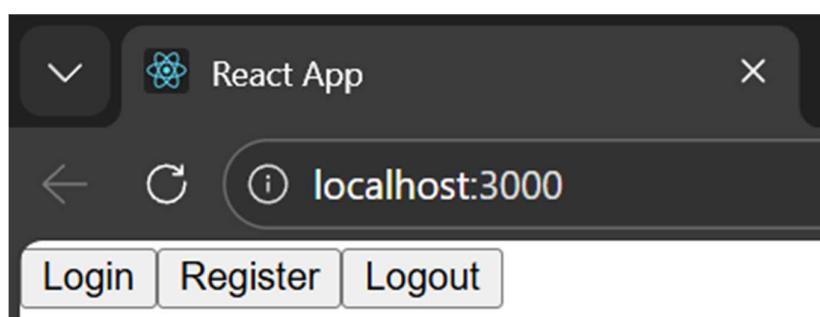
Button.js

```
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:

My School Website

Welcome Students!

© 2026 School

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:

Home

About

Exercise 6: Parent → Child Message

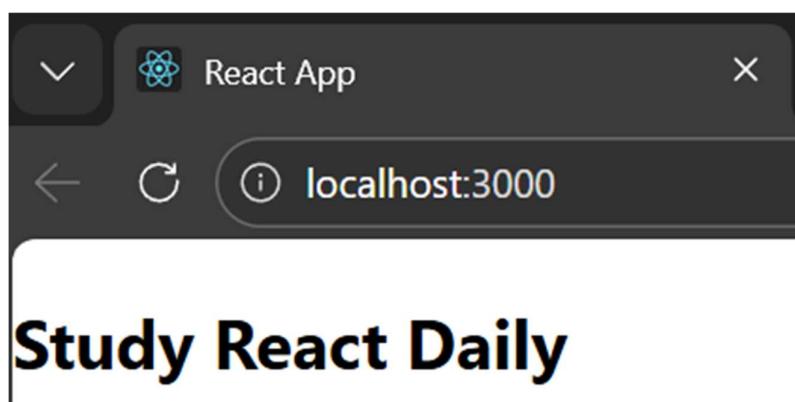
Message.js

```
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:

