

1. Display a variable value

Write a functional component that stores your name in a variable and displays it in `<h1>`.

```
import React from 'react';

function MyName() {

  const name = "Raksha";

  return (

    <div>

      <h1>{name}</h1> {/* display the name */}

    </div>

  );

}

export default MyName;
```

2. Add two numbers

Create a component that stores two numbers in variables and displays their sum.

```
import React from 'react';

function SumComponent() {

  const num1 = 8;

  const num2 = 5;

  const sum = num1 + num2;

  return (

    <div>

      <h1>Sum: {sum}</h1>

    </div>

  );

}
```

```
}  
  
export default SumComponent;
```

3. Simple props

Create a Greeting component that takes name as a prop and displays "Hello, {name}!".

```
import React from 'react';  
  
function Greeting(props){  
  return <h1>Hello, {props.name}!</h1>  
}  
  
function App() {  
  const name = "Raksha";  
  
  return (  
    <div >  
      <h1>Hello React</h1>  
      <p>This is my very first website in react.</p>  
      <Greeting name = "Rahul"/>  
      <Greeting name = "Neha"/>  
    </div>  
  );  
}  
  
export default App;
```

4. Display a variable value

Store your favorite color in a variable and show it in <h1>.

```
import React from "react";

function FavoriteColor() {

  const favoriteColor = "Blue";

  return (

    <div>

      <h1>My favorite color is {favoriteColor}</h1>

    </div>

  );

}

export default FavoriteColor;
```

5. Add two numbers

Store two numbers in variables and display their sum.

```
import React from 'react';

function SumDisplay() {

  const num1 = 10;

  const num2 = 7;

  const sum = num1 + num2;

  return (

    <div>

      <h1>Sum: {sum}</h1>

    </div>

  );

}
```

```
}  
  
export default SumDisplay;
```

6. Props example

Create a Hello component that shows "Hello, {name}" where name comes from props.

```
import React from 'react';  
  
function Hello(props){  
  return <h1>Hello, {props.name}!</h1>  
}  
  
function App() {  
  const name = "Raksha";  
  
  return (  
    <div >  
      <h1>Hello React</h1>  
      <p>This is my very first website in react.</p>  
      <Hello name = "Rahul"/>  
      <Hello name = "Raksha"/>  
    </div>  
  );  
}  
  
export default App;
```

7. Click alert

Create a button that shows an alert "Hello React" when clicked.

```
import React from 'react';

function HelloButton() {
  function showAlert() {
    alert("Hello React");
  }

  return (
    <div>
      <button onClick={showAlert}>Click Me</button>
    </div>
  );
}

export default HelloButton;
```

8. Click alert

Show an alert saying "Welcome to React" when a button is clicked.

```
import React from 'react';

function WelcomeButton() {
  const handleClick = () => {
    alert("Welcome to React");
  };

  return (
    <div>
      <button onClick={handleClick}>Click Me</button>
    </div>
  );
}
```

```

    </div>

  );
}

export default WelcomeButton;

```

9. Show text on click

Display a heading "Click the button" and below it a message "Button was clicked!" when clicked (message can be hardcoded).

```

import React, { useState } from 'react';

function ClickMessage() {

  const [showMessage, setShowMessage] = useState(false);

  return (

    <div>

      <h1>Click the button</h1>

      <button onClick={() => setShowMessage(true)}>Click Me</button>

      {showMessage && <p>Button was clicked!</p>}

    </div>

  );
}

export default ClickMessage;

```

10. Show a variable in JSX

Create a variable city = "Hyderabad" and display it in a heading

```

import React from 'react';

function CityDisplay() {

```

```
const city = "Hyderabad";  
  
return (  
  <div>  
    <h1>{city}</h1>  
  </div>  
);  
}  
  
export default CityDisplay;
```

11. Math in JSX

Display the result of $10 * 2$ inside a heading.

```
import React from 'react';  
  
function MultiplyResult() {  
  return (  
    <div>  
      <h1>{10 * 2}</h1>  
    </div>  
  );  
}  
  
export default MultiplyResult;
```

12. Function return in JSX

Create a function `getMessage()` that returns "Welcome" and display it inside a heading.

```
import React from 'react';  
  
function WelcomeMessage() {
```

```
function getMessage() {  
  return "Welcome";  
}  
  
return (  
  <div>  
    <h1>{getMessage()}</h1>  
  </div>  
);  
}  
  
export default WelcomeMessage;
```

13. Alert on click

Create a button that shows an alert saying "Button clicked!" when pressed.

```
import React from 'react';  
  
function AlertButton() {  
  const handleClick = () => {  
    alert("Button clicked!");  
  };  
  
  return (  
    <div>  
      <button onClick={handleClick}>Click Me</button>  
    </div>  
  );  
}  
  
export default AlertButton;
```