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| import React, { useState } from 'react';  function Counter() {  // Declare a state variable named 'count' with an initial value of 0  const [count, setCount] = useState(0);  // Update the state variable when a button is clicked  const increment = () => {  setCount(count + 1);  };  return (  <div>  <p>Count: {count}</p>  <button onClick={increment}>Increment</button>  </div>  );  }  export default Counter; |
| import React, { useState } from 'react';  function Form() {  const [formData, setFormData] = useState(  {  username: '',  email: ''  }  );  const handleInputChange = (event) => {  const { name, value } = event.target; //destructuring  setFormData({ ...formData, [name]: value });  };  return (  <form>  <input  type="text"  name="username"  value={formData.username}  onChange={handleInputChange}  />  <input  type="email"  name="email"  value={formData.email}  onChange={handleInputChange}  />  </form>  );  }  export default Form; |
| import React, { useState } from 'react';  function Counter() {  const [count, setCount] = useState(0);  const increment = () => {  // You can also use a function to update the state based on the previous state  setCount((prevCount) => prevCount + 1);  };  return (  <div>  <p>Count: {count}</p>  <button onClick={increment}>Increment</button>  </div>  );  }  export default Counter; |
| import React, { useState } from 'react';  function UserProfile() {  const [name, setName] = useState('John');  const [age, setAge] = useState(30);  return (  <div>  <p>Name: {name}</p>  <p>Age: {age}</p>  </div>  );  }  export default UserProfile; |
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