1.1

APP.js

import React from 'react';

import UserProfile from './UserProfile';

function App() {

  return (

    <div>

      <UserProfile name="Nikita" age={21} email="nikita@example.com" />

    </div>

  );

}

export default App;

// File: src/index.js

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

src\UserProfile.js

import React, { useState } from 'react';

function UserProfile({ name, age, email }) {

  const [userAge, setUserAge] = useState(age);

  const increaseAge = () => {

    setUserAge(userAge + 1);

  };

  return (

    <div>

      <h2>User Profile</h2>

      <p><strong>Name:</strong> {name}</p>

      <p><strong>Age:</strong> {userAge}</p>

      <p><strong>Email:</strong> {email}</p>

      <button onClick={increaseAge}>Increase Age</button>

    </div>

  );

}

export default UserProfile;

1.2

**App.js**

import React from 'react';

import ProductCard from './ProductCard';

function App() {

  return (

    <div>

      <h1>My Shop</h1>

      <ProductCard productName="Running Shoes" price={2000} />

    </div>

  );

}

export default App;

\src\ProductCard.js

import React, { useState } from 'react';

function ProductCard({ productName, price }) {

  const [quantity, setQuantity] = useState(0);

  const addToCart = () => {

    setQuantity(quantity + 1);

  };

  const totalPrice = quantity \* price;

  return (

    <div style={{ border: '1px solid gray', padding: '16px', width: '250px' }}>

      <h2>{productName}</h2>

      <p>Price: ₹{price}</p>

      <p>Quantity: {quantity}</p>

      <p><strong>Total Price: ₹{totalPrice}</strong></p>

      <button onClick={addToCart}>Add to Cart</button>

    </div>

  );

}

export default ProductCard;