React - 1

Q1. Create a React component named `Welcome` that renders the text "Welcome to React!".
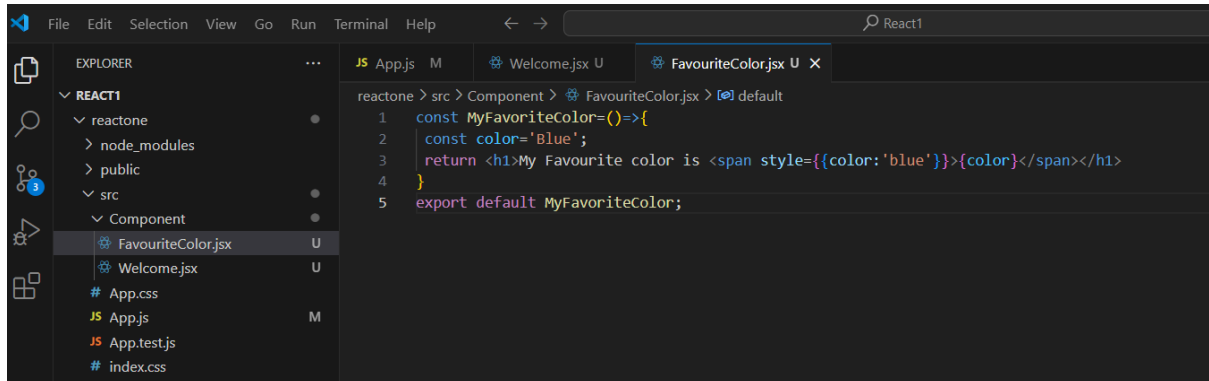


```jsx
const Welcome=()=>{

    return <h1>Welcome to React! 😊</h1>
};

export default Welcome;
```
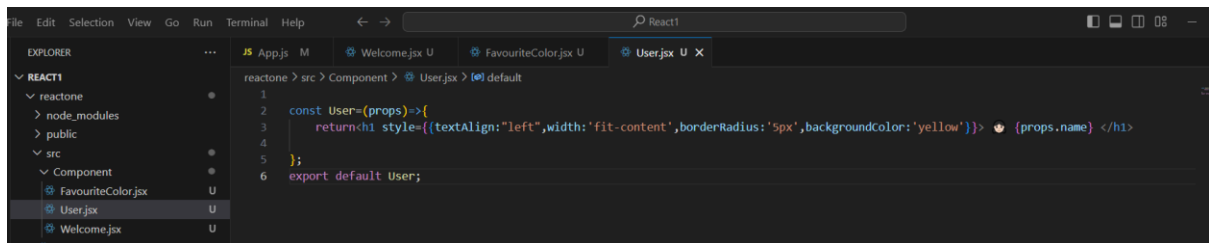
Q2. Write a React component that displays your favorite color using JSX syntax.
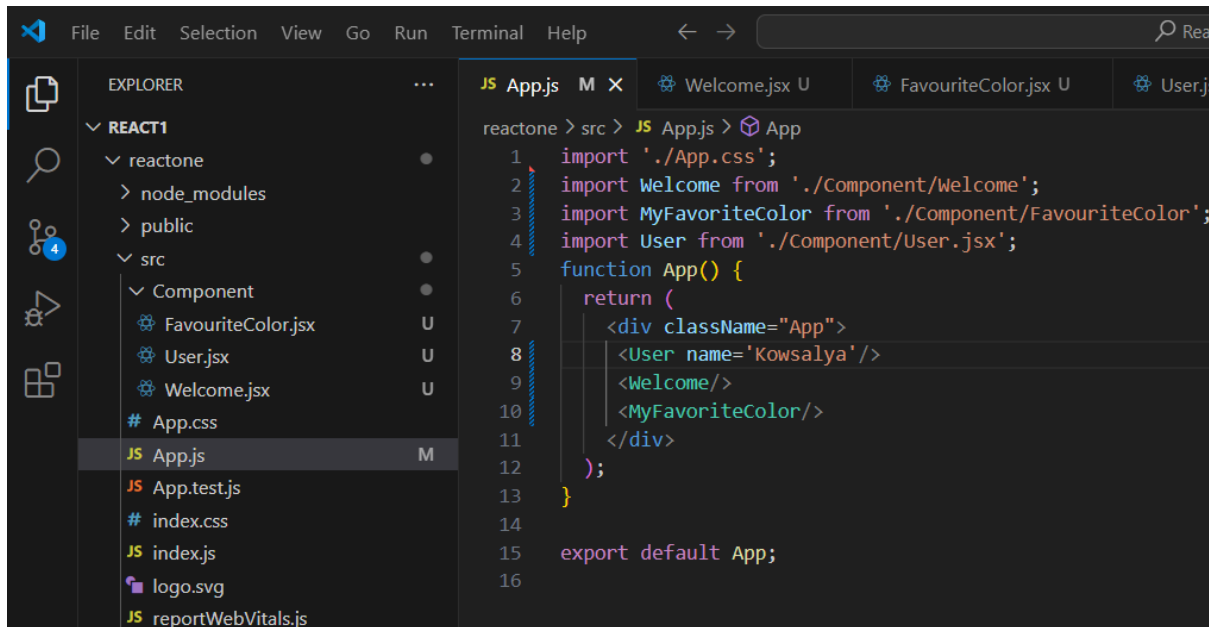

```jsx
const MyFavoriteColor=()=>{
  const color='Blue';
  return <h1>My Favourite color is <span style={{color:'blue'}}>{color}</span></h1>
}
export default MyFavoriteColor;
```

Q3. Create a component named `UserProfile` that takes a `name` prop and displays it inside an `<h1>` tag.
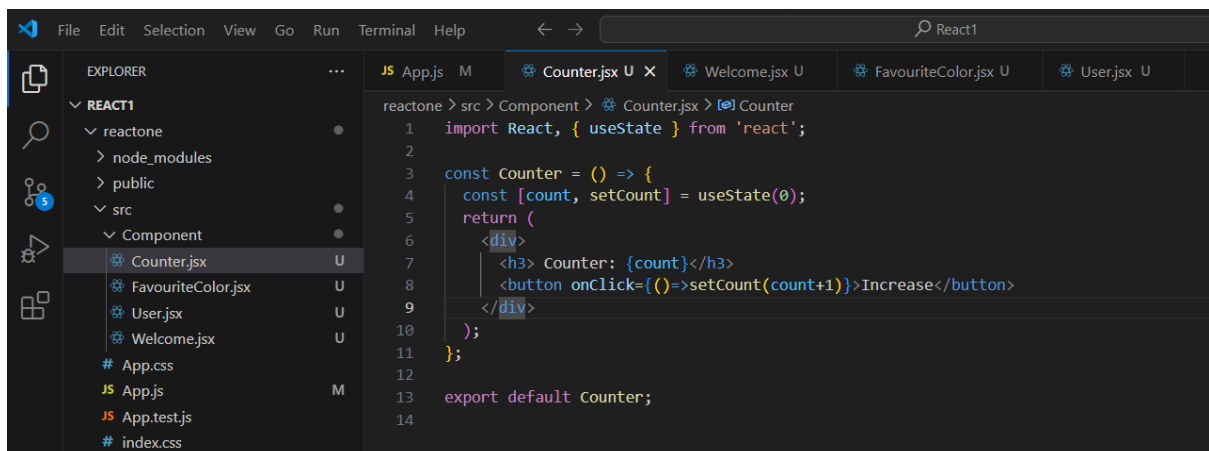
```
File  Edit  Selection  View  Go  Run  Terminal  Help          ←  →              ⌕ React1
EXPLORER                        ···    JS App.js  M    ⚙ Welcome.jsx U    ⚙ FavouriteColor.jsx U    ⚙ User.jsx  U  ✕
∨ REACT1                               reactone > src > Component > ⚙ User.jsx > [◎] default
  ∨ reactone                    ●      1
    > node_modules                     2    const User=(props)=>{
    > public                           3        return<h1 style={{textAlign:"left",width:'fit-content',borderRadius:'5px',backgroundColor:'yellow'}}> ✋ {props.name} </h1>
    ∨ src                       ●      4
      ∨ Component              ●      5    };
        ⚙ FavouriteColor.jsx  U      6    export default User;
        ⚙ User.jsx            U
        ⚙ Welcome.jsx         U
```

```
╳┤  File   Edit   Selection   View   Go   Run   Terminal   Help         ←  →                                                      ⌕ Rea
⎕    EXPLORER                    ···    JS App.js  M ✕    ⚙ Welcome.jsx U       ⚙ FavouriteColor.jsx U       ⚙ User.j
     ∨ REACT1                           reactone > src > JS App.js > ◈ App
⌕      ∨ reactone              ●       1    import './App.css';
                                       2    import Welcome from './Component/Welcome';
                                       3    import MyFavoriteColor from './Component/FavouriteColor';
╬⁴      > node_modules                 4    import User from './Component/User.jsx';
        > public                       5    function App() {
        ∨ src                  ●       6      return (
▷         ∨ Component          ●       7        <div className="App">
            ⚙ FavouriteColor.jsx  U    8          <User name='Kowsalya'/>
▢⁰          ⚙ User.jsx         U       9          <Welcome/>
            ⚙ Welcome.jsx      U      10          <MyFavoriteColor/>
            # App.css                 11        </div>
            JS App.js          M      12      );
            JS App.test.js            13    }
            # index.css               14
            JS index.js               15    export default App;
            🔸 logo.svg               16
            JS reportWebVitals.js
```
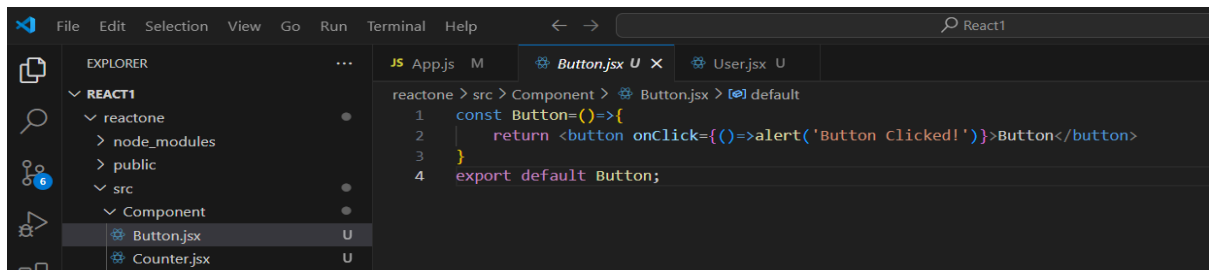
Q4. Create a component named `Counter` that initializes a counter state to 0 and displays it. Include a button to increase the counter by 1 when clicked.
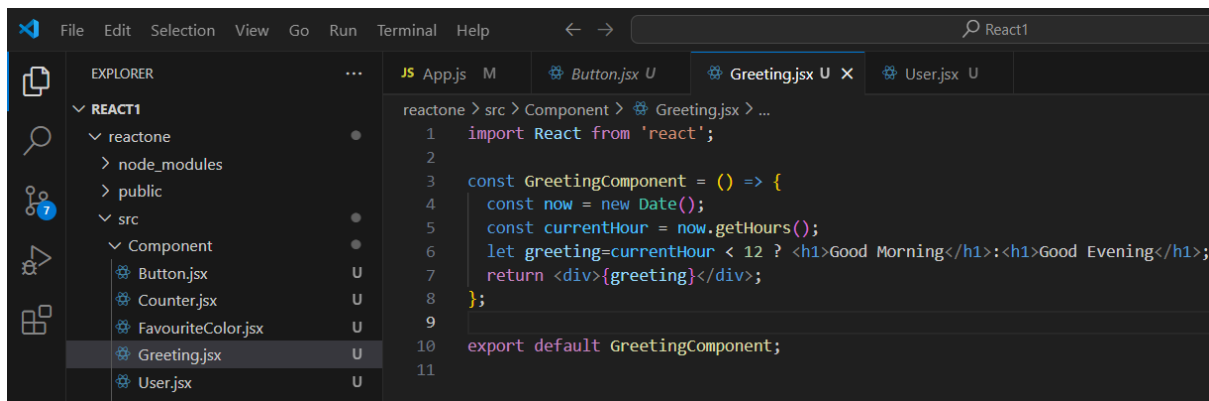
```
╳┤  File  Edit  Selection  View  Go  Run  Terminal  Help      ←  →                        ⌕ React1
⎕    EXPLORER                    ···    JS App.js  M    ⚙ Counter.jsx U ✕    ⚙ Welcome.jsx U    ⚙ FavouriteColor.jsx U    ⚙ User.jsx  U
     ∨ REACT1                           reactone > src > Component > ⚙ Counter.jsx > [◎] Counter
⌕      ∨ reactone              ●       1    import React, { useState } from 'react';
        > node_modules                 2
        > public                       3    const Counter = () => {
╬⁵      ∨ src                  ●       4      const [count, setCount] = useState(0);
          ∨ Component          ●       5      return (
▷           ⚙ Counter.jsx     U       6        <div>
              ⚙ FavouriteColor.jsx  U  7          <h3> Counter: {count}</h3>
▢⁰            ⚙ User.jsx       U       8          <button onClick={()=>setCount(count+1)}>Increase</button>
              ⚙ Welcome.jsx    U       9        </div>
            # App.css                 10      );
            JS App.js          M      11    };
            JS App.test.js            12
            # index.css               13    export default Counter;
                                      14
```

Q5. Create a component that includes a button. When the button is clicked, it should display an alert with the message "Button clicked!".
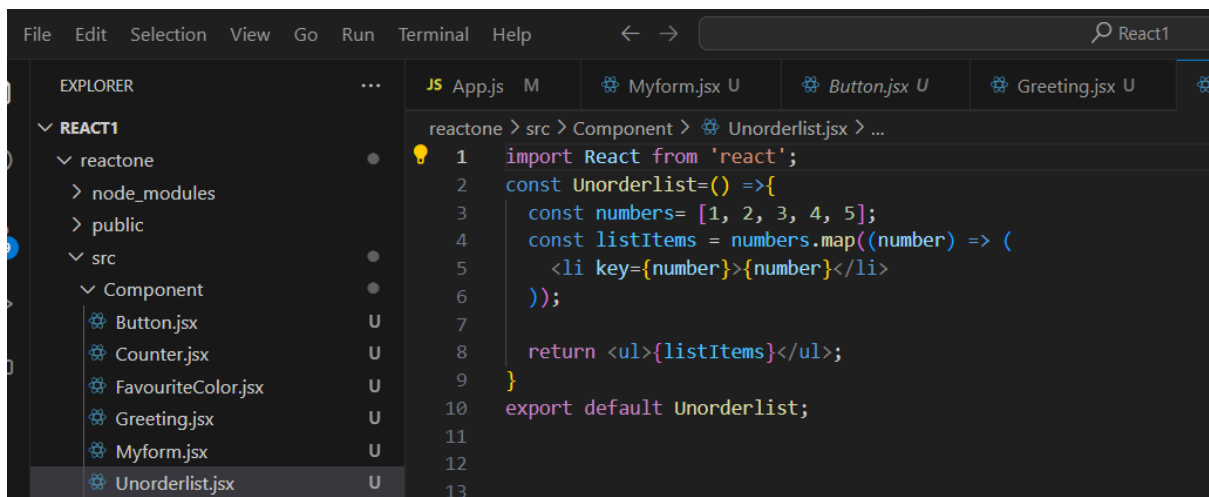
Q6. Write a component that displays "Good Morning" if the current time is before noon, and "Good Evening" otherwise.


```jsx
import React from 'react';

const GreetingComponent = () => {
  const now = new Date();
  const currentHour = now.getHours();
  let greeting=currentHour < 12 ? <h1>Good Morning</h1>:<h1>Good Evening</h1>;
  return <div>{greeting}</div>;
};

export default GreetingComponent;
```

Q7. Create a component that takes an array of numbers and renders each number in an unordered list.


```jsx
import React from 'react';
const Unorderlist=() =>{
  const numbers= [1, 2, 3, 4, 5];
  const listItems = numbers.map((number) => (
    <li key={number}>{number}</li>
  ));

  return <ul>{listItems}</ul>;
}
export default Unorderlist;
```

Q8. Create a simple form with a text input field and a submit button. When the form is submitted, display the text entered in the input field below the form.

```jsx
import React, { useState } from 'react';

function MyForm() {
  const [inputText, setInputText] = useState('');
  const [submit,setsubmit]=useState(true);
  const handleSubmit = (event) => {
    setsubmit(true);
  };
  return (
    <div>
      <h1>React Form</h1>
      <form onSubmit={handleSubmit}>
        <label>
          Enter text:
          <input
            style={{width:'5rem'}}
            type="text"
            value={inputText}
            onChange={((e) => {setInputText(e.target.value)
                              setsubmit(false);
            }}
          />
        </label>
        <button style={ {borderRadius:'3rem'}} type="submit">Submit</button>
      </form>
      {submit && <p>{inputText}</p>}
    </div>
  );
}

export default MyForm;
```

👩 **Kowsalya**

Good Evening

Welcome to React! 😊

My Favourite color is Blue

Counter: 0

[Increase]
[Button]

Un-OrderList

-
-
-
-
-

1
2
3
4
5

React Form

Enter text: [____] [Submit]