```
App.css
* {
 box-sizing: border-box;
body {
  font-family: sans-serif;
  margin: 20px;
  padding: 0;
}
h1 {
  margin-top: 0;
  font-size: 22px;
  color: blue;
code {
  font-size: 1.2em;
ul {
  padding-inline-start: 20px;
box{
  box-sizing: border-box;
  border:
}
body {
  font-family: sans-serif;
  margin: 20px;
  padding: 0;
button {
  background-color: #4CAF50;
  color: #fff;
  border: black;
  padding: 10px 20px;
  border-radius: 4px;
```

```
cursor: pointer;
}
button:hover {
  background-color: #45a049;
App.js
import React, { useState } from 'react';
function Game() {
  const [score, setScore] = useState(0);
  const [fact, setFact] = useState(1);
  const increaseScore = () => {
    setScore(score + 1);
  };
const Factorial = () => {
    let factorial=1;
for(let i=1; i<= score ;i++){
factorial *= i;
}
 setFact(factorial);
}
  return (
    < div>
      <h1>Factorial Game</h1>
      <body>
      <div class="box">
      Score: {score}
      Factorial: {fact}
      </div>
      <button onClick={increaseScore}>Click Me!</button>
      <button onClick={Factorial}>Factorial</button>
      </body>
    </div>
  );
}
export default Game;
```

```
App.test.js

import { render, screen } from '@testing-library/react';
import App from './App';

test('renders learn react link', () => {
  render(<App />);
  const linkElement = screen.getByText(/learn react/i);
  expect(linkElement).toBeInTheDocument();
});
```

Index.js

