ASSIGNMENT 2

UI/UX SPECIALIST

1. Create a simple React component that returns JSX with the following:

   a) A heading element (<h1>) that says "Welcome to JSX!"

   b) A paragraph (<p>) with a brief description of what JSX is.

   c) A button that, when clicked, logs a message in the console.

```jsx
import React from 'react';
import './App.css';

function WelcomeComponent() {
  const handleClick = () => {
    console.log('Button was clicked!');
  };

  return (
    <div>
      <h1>Welcome to JSX!</h1>
      <p>JSX is a syntax extension for JavaScript that allows you to write HTML directly within React.</p>
      <button onClick={handleClick}>Click me</button>
    </div>
  );
}

function App() {
  return (
    <div className="App">
      <WelcomeComponent />
    </div>
  );
}

export default App;
```

```css
.App {
    text-align: center;
    font-family: Arial, sans-serif;
}
h1 {
    color: #333;
}

p {
    color: #666;
}
button {
    background-color: #007bff;
    color: white;
    border: none;
    padding: 10px 20px;
    cursor: pointer;
    font-size: 16px;
    margin-top: 10px;
}

button:hover {
    background-color: #0056b3;
}

.App-logo {
    height: 40vmin;
    pointer-events: none;
}
```

OUTPUT

Welcome to JSX!

JSX is a syntax extension for JavaScript that allows you to write HTML directly within React.

Click me

2. **Write a React component that accepts two numbers as props and returns the sum inside an HTML `<div>`. Use JSX expressions inside the return statement.**

```
function SumComponent({ num1, num2 }) {
  const sum = num1 + num2;
  return (
    <div>
      <p>The sum of {num1} and {num2} is {sum}.</p>
    </div>
  );
}

function App() {
  return (
    <div className="App">
      <WelcomeComponent />
      <SumComponent num1={5} num2={10} />
    </div>
  );
}
```

OUTPUT

JSX is a syntax extension for JavaScript that allows you to write HTML directly within React.

Click me

The sum of 5 and 10 is 15.

3. **Write a React component that renders an unordered list (`<ul>`) of your favorite movies. Use an array and `map()` to render each movie as a list item (`<li>`).**

   Code :

```jsx
function FavoriteMovies() {
  const movies = ['Inception', 'The Matrix', 'Interstellar', 'The Dark Knight', 'Pulp Fiction'];

  return (
    <div>
      <h2>My Favorite Movies</h2>
      <ul>
        {movies.map((movie, index) => (
          <li key={index}>{movie}</li>
        ))}
      </ul>
    </div>
  );
}

function App() {
  return (
    <div className="App">
      <WelcomeComponent />
      <SumComponent num1={5} num2={10} />
      <FavoriteMovies />
    </div>
  );
}

export default App;
```

```css
ul {
  list-style-type: none;
  padding: 0;
}

li {
  background-color: ■#f9f9f9;
  margin: 5px 0;
  padding: 10px;
  border: 1px solid ■#ddd;
  border-radius: 4px;
  text-align: left;
}
```

OUTPUT

My Favorite Movies

Inception

The Matrix

Interstellar

The Dark Knight

Pulp Fiction