

FSD ASSIGNMENT 2

Q1: Give an example to illustrate the use of Sass file in your React projects.

APP.JS:

```
import React from 'react';

import './Card.scss';

const Card = () => {

  return (

    <div className="Card">

      <h2 className="Card-title">Welcome</h2>

      <p className="Card-content">Hi,this is from cmrit.</p>

    </div>

  );

}

export default Card;
```

CARD.SCSS:

```
.Card {

  background-color: lightblue;

  border-radius: 5px;

  padding: 20px;

  box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);

  &-title {

    color: white;

    font-size: 24px;

    margin-bottom: 10px;

  }

  &-content {

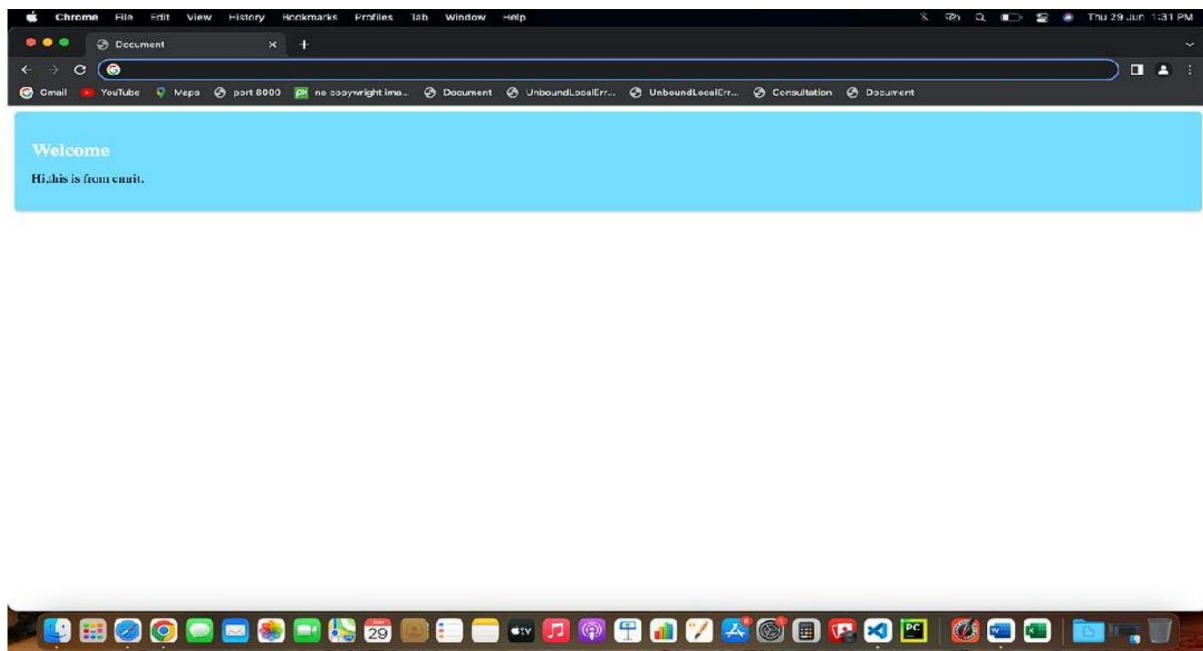
    color: gray;

    font-size: 16px;

  }

}
```

OUTPUT:

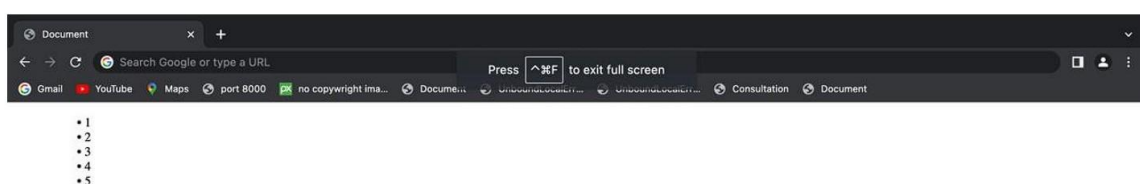


Q2: Write the code to create any ReactLists.

APP.JS:

```
import React from 'react';
import ReactDOM from 'react-dom';
const numbers = [1,2,3,4,5];
const updatedNums = numbers.map((number)=>{
  return <li>{number}</li>;
});
ReactDOM.render(
  <ul>
    {updatedNums}
  </ul>,
  document.getElementById('root')
);
```

OUTPUT:



Q3: Write the code to create a form to allow users to interact with the web page using ReactJS.

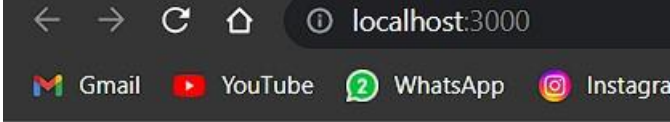
APP.JS:

```
import React from 'react';
import MyForm from './MyForm';
function App() {
  return (
    <div>
      <h1>Contact Form</h1>
      <MyForm />
    </div>
  );
}
export default App;
```





myform.js

```
import React, { useState } from 'react';
function MyForm() {
  const [name, setName] = useState("");
  const [email, setEmail] = useState("");
  const [message, setMessage] = useState("");
  const handleSubmit = (event) => {
    event.preventDefault();
    console.log('Name:', name);
    console.log('Email:', email);
    console.log('Message:', message);
    setName("");
    setEmail("");
    setMessage("");
  };
  return (
    <form onSubmit={handleSubmit}>
```

```
<label>
Name:
<input
type="text"
value={name}
onChange={(event) => setName(event.target.value)}
/>
</label>
<br />
<label>
Email:
<input
type="email"
value={email}
onChange={(event) => setEmail(event.target.value)}
/>
</label>
<br />
<label>
Message:
<textarea
value={message}
onChange={(event) => setMessage(event.target.value)}
/>
</label>
<br />
<button type="submit">Submit</button>
</form>
);
}
export default MyForm;
```

OUTPUT:

← → ↻ 🏠 ⓘ localhost:3000

 Gmail  YouTube  WhatsApp  Instagram

Contact Form

Name:

Email:

Message:

Q4: Give an example code to illustrate the use of ReactJS Components.

APP.JS:

```
import React from 'react';

function Greeting(props) {
  return <h1>Hello, {props.name}!</h1>;
}

class Counter extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      count: 0
    };
  }

  incrementCount() {
    this.setState({ count: this.state.count + 1 });
  }

  render() {
    return (
      <div>
```

```
<h2>Count: {this.state.count}</h2>

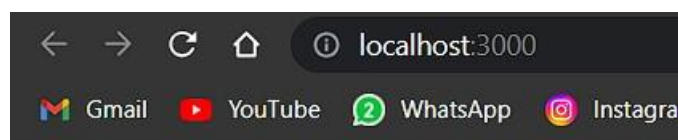
<button onClick={() => this.incrementCount()}>Increment</button>

</div>

);
}
}

function App() {
  return (
    <div>
      <Greeting name="" />
      <Counter />
    </div>
  );
}

export default App;
```

OUTPUT:

Hello, Ankur !

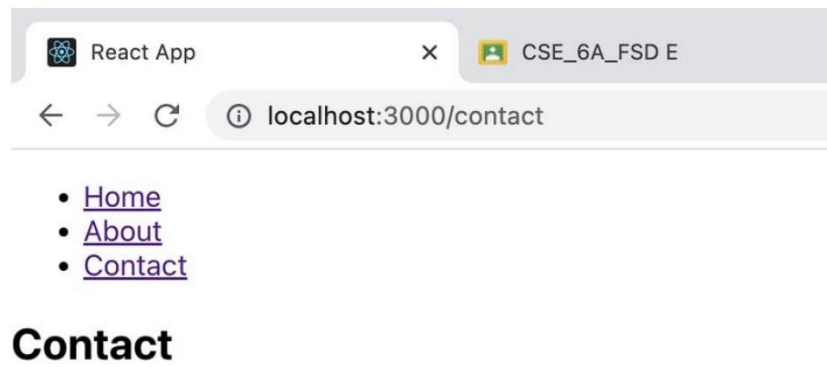
Count: 10

Q5: Create an ReactJS application to demonstrate routing.**APP.JS:**

```
function Contact() {
  return <h2>Contact</h2>;
}
```

```
function App() {  
  return (  
    <Router>  
      <div>  
        <nav>  
          <ul>  
            <li>  
              <Link to="/">Home</Link>  
            </li>  
            <li>  
              <Link to="/about">About</Link>  
            </li>  
            <li>  
              <Link to="/contact">Contact</Link>  
            </li>  
          </ul>  
        </nav>  
        <Routes>  
          <Route path="/" element={<Home />} />  
          <Route path="/about" element={<About />} />  
          <Route path="/contact" element={<Contact />} />  
        </Routes>  
      </div>  
    </Router>  
  );  
}  
  
export default App;
```

OUTPUT:



Q6: Give an example code to demonstrate onClick event in ReactJS.

APP.JS:

```
import React from 'react';

import { BrowserRouter as Router, Route, Link, Routes } from 'react-router-dom';

function Home() {
  return <h2>Home</h2>;
}

function About() {
  return <h2>About</h2>;
}

import React, { useState } from 'react';

function App() {
  const [count, setCount] = useState(0);

  const handleClick = () => {
    setCount(count + 1);
  };

  return (
    <div>
      <h2>Count: {count}</h2>
      <button onClick={handleClick}>Increment</button>
    </div>
  );
}
```



```
export default App;
```

OUTPUT:

