

1.ReactJS-HOL

CODE:

App.js

```
import React from 'react';
```

```
function App() {
```

```
  return (
```

```
    <div>
```

```
      <h1>Welcome to the first session of React</h1>
```

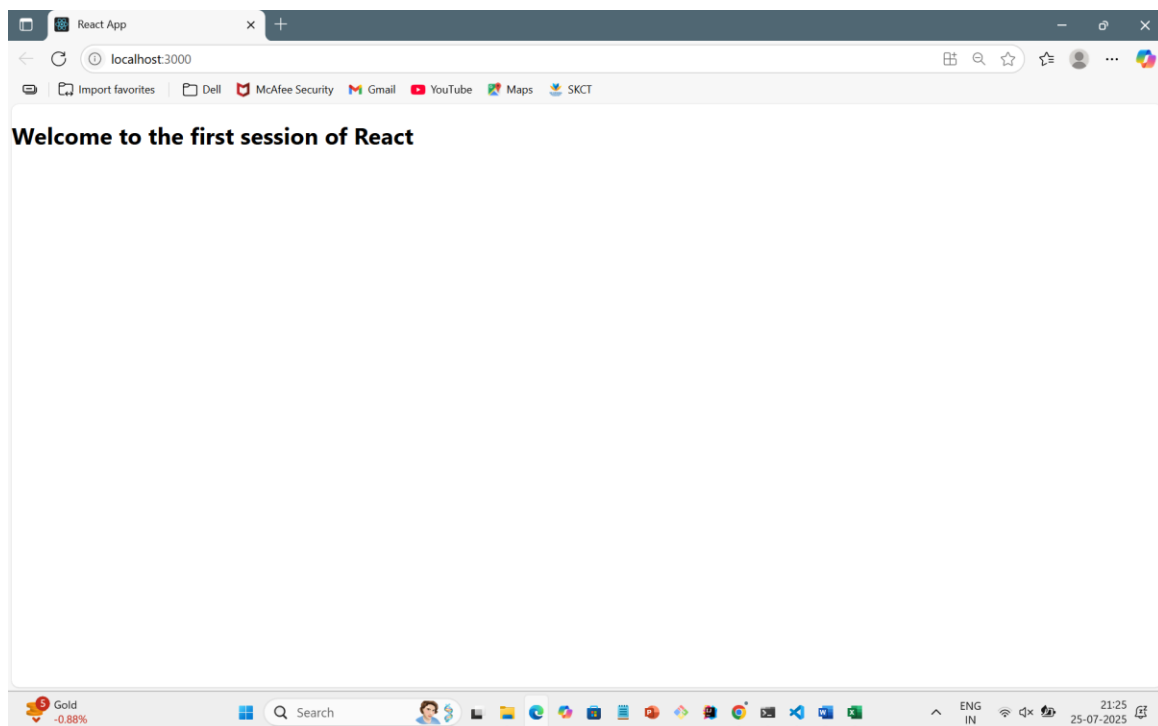
```
    </div>
```

```
  );
```

```
}
```

```
export default App;
```

OUTPUT:



2. ReactJS-HOL

CODE:

Home.js

```
import React from 'react';
```

```
function Home() {  
  return (  
    <div>  
      <h2>Welcome to the Home page of Student Management Portal</h2>  
    </div>  
  );  
}
```

```
export default Home;
```

About.js:

```
import React from 'react';
```

```
function About() {  
  return (  
    <div>  
      <h2>Welcome to the About page of the Student Management Portal</h2>  
    </div>  
  );  
}
```

```
export default About;
```

Contact.js:

```
import React from 'react';
```

```
function Contact() {
```

```
  return (
```

```
    <div>
```

```
      <h2>Welcome to the Contact page of the Student Management Portal</h2>
```

```
    </div>
```

```
  );
```

```
}
```

```
export default Contact;
```

App.js

```
import React from 'react';
```

```
import Home from './Components/Home';
```

```
import About from './Components/About';
```

```
import Contact from './Components/Contact';
```

```
function App() {
```

```
  return (
```

```
    <div>
```

```
      <h1>Student Management Portal</h1>
```

```
      <Home />
```

```
      <About />
```

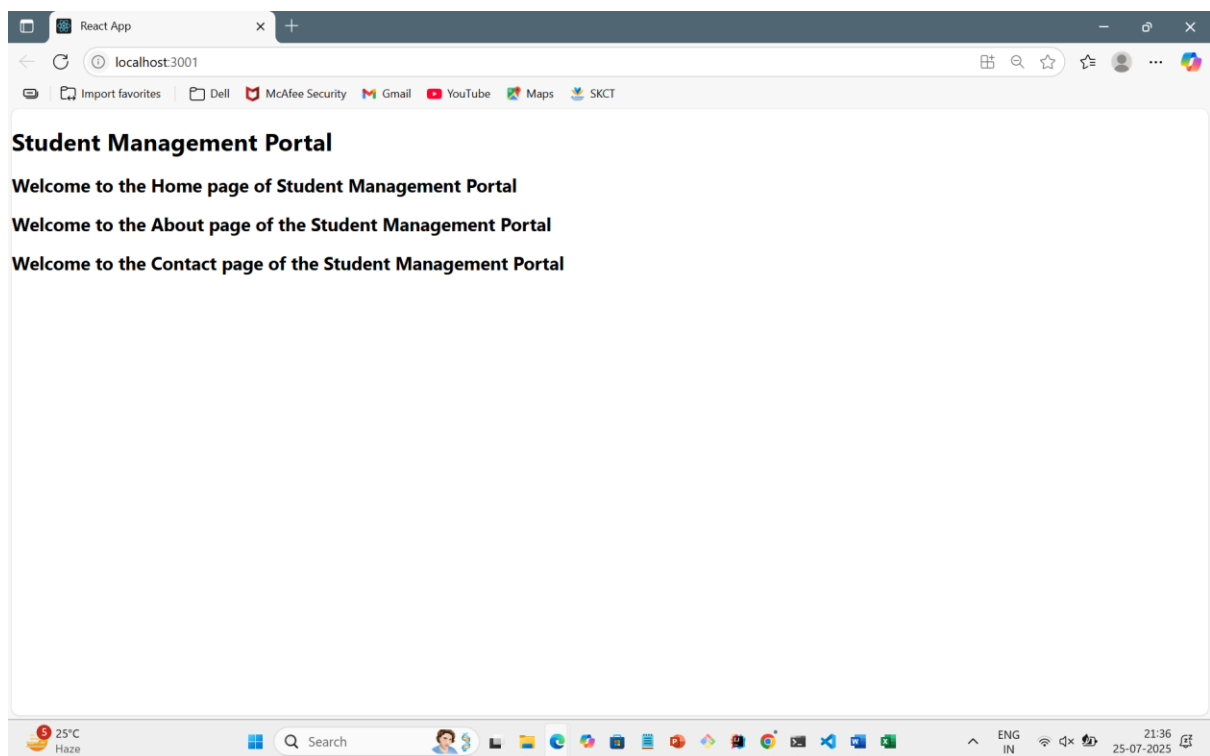
```
      <Contact />
```

```
        </div>

    );
}

export default App;
```

OUTPUT:



3. ReactJS-HOL

CODE:

CalculateScore.js

```
import '../Stylesheets/mystyle.css';
```

```
const percentToDecimal = (decimal) => {
  return (decimal * 100).toFixed(2) + '%';
};
```

```
const calcScore = (total, goal) => {
  return percentToDecimal(total / goal);
};
```

```
export const CalculateScore = ({ Name, School, total, goal }) => (
  <div className="formatstyle">
    <h1><font color="Brown">Student Details:</font></h1>
    <div className="Name">
      <b><span>Name: </span></b>
      <span>{Name}</span>
    </div>
    <div className="School">
      <b><span>School: </span></b>
      <span>{School}</span>
    </div>
    <div className="Total">
      <b><span>Total: </span></b>
      <span>{total}</span> Marks
    </div>
    <div className="Score">
      <b>Score: </b>
      {calcScore(total, goal)}
    </div>
  </div>
);
```

Mystyle.css

```
.Name {  
  font-weight: 300;  
  color: blue;  
}
```

```
.School {  
  color: crimson;  
}
```

```
.Total {  
  color: darkmagenta;  
}
```

```
.formatstyle {  
  text-align: center;  
  font-size: large;  
}
```

```
.Score {  
  color: forestgreen;  
}
```

App.js

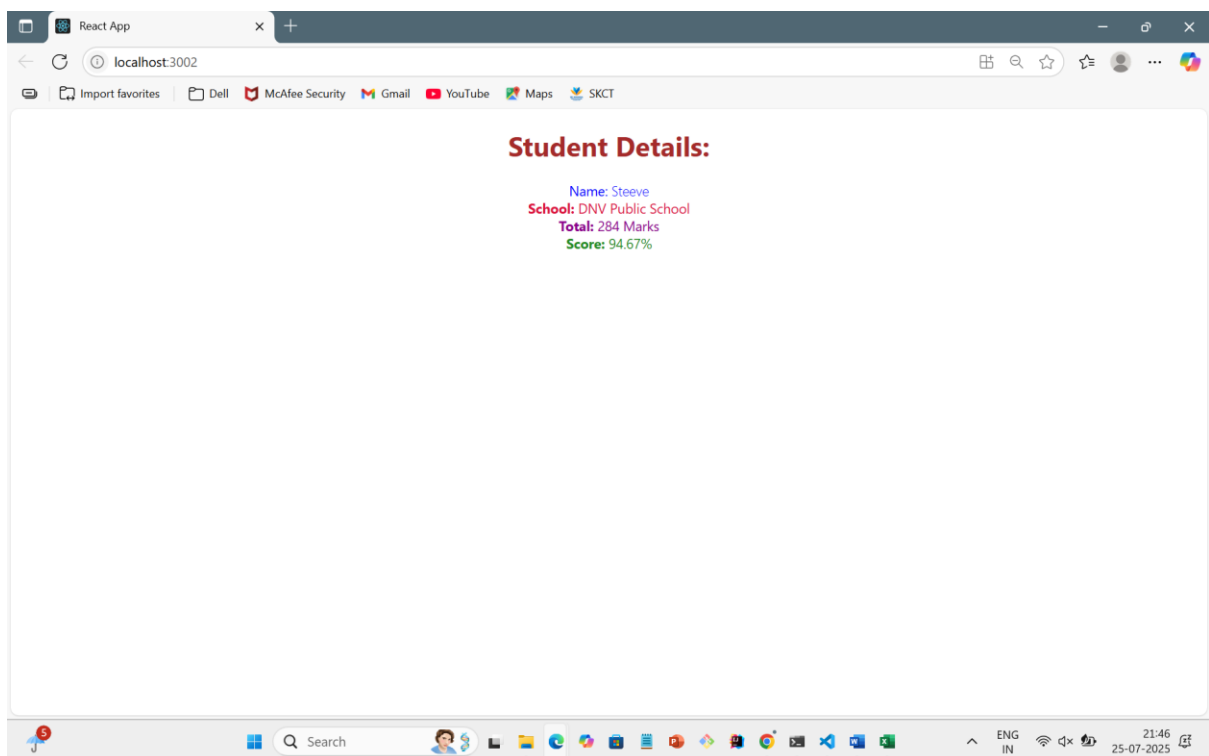
```
import { CalculateScore } from './Components/CalculateScore';
```

```
function App() {  
  return (  
    <div>
```

```
<CalculateScore
  Name="Steeve"
  School="DNV Public School"
  total={284}
  goal={300}
/>
</div>
);
}

export default App;
```

OUTPUT:



4. ReactJS-HOL

CODE:

Post.js

```
class Post {  
  constructor(id, title, body) {  
    this.id = id;  
    this.title = title;  
    this.body = body;  
  }  
}
```

export default Post;

Posts.js

```
import React, { Component } from 'react';  
import Post from './Post';
```

```
class Posts extends Component {  
  constructor(props) {  
    super(props);  
    this.state = {  
      posts: []  
    };  
  }  
}
```

```
loadPosts = () => {  
  fetch('https://jsonplaceholder.typicode.com/posts')  
    .then((res) => res.json())  
    .then((data) => {
```



```
    const postObjects = data.map((item) => new Post(item.id, item.title,
item.body));

    this.setState({ posts: postObjects });

  })

  .catch((error) => {

    console.error('Error fetching posts:', error);

    throw error;

  });

};
```

```
componentDidMount() {

  this.loadPosts();

}
```

```
componentDidCatch(error, info) {

  alert('An error occurred: ' + error.message);

}
```

```
render() {

  return (

    <div>

      <h1>Blog Posts</h1>

      {this.state.posts.map((post) => (

        <div key={post.id}>

          <h3>{post.title}</h3>

          <p>{post.body}</p>

          <hr />

        </div>

      )}

    </div>
```

```
    )))}
  </div>

);
}
}

export default Posts;
```

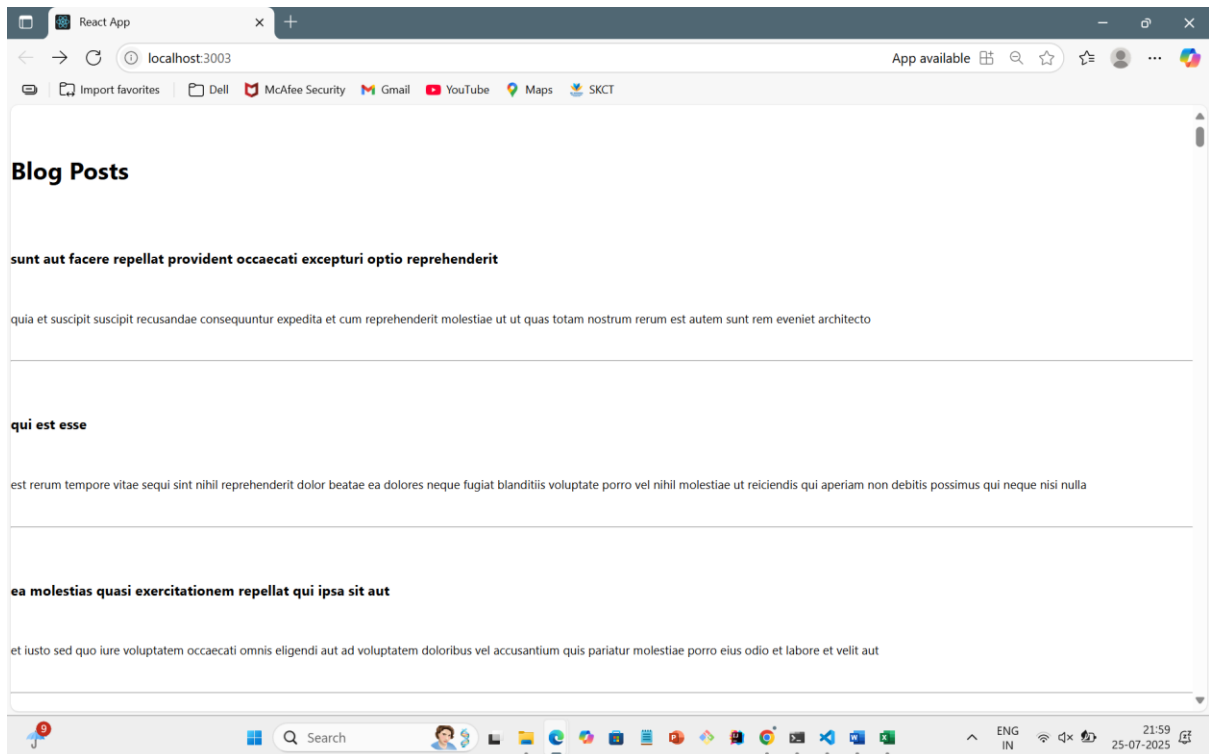
App.js

```
import React from 'react';
import Posts from './Posts';

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

export default App;
```

OUTPUT:



5. ReactJS-HOL

CODE:

CohortDetails.js

```
import React from 'react';
import styles from './CohortDetails.module.css';

const CohortDetails = ({ cohort }) => {
  const headingStyle = {
    color: cohort.status.toLowerCase() === 'ongoing' ? 'green' : 'blue',
  };
  return (
    <div className={styles.box}>
      <h3 style={headingStyle}>{cohort.name}</h3>
      <dl>
        <dt>Started On</dt>
        <dd>{cohort.startDate}</dd>
      </dl>
    </div>
  );
}
```

```
        <dt>Current Status</dt>
        <dd>{cohort.status}</dd>
        <dt>Coach</dt>
        <dd>{cohort.coach}</dd>
        <dt>Trainer</dt>
        <dd>{cohort.trainer}</dd>
    </dl>
</div>

);
};
```

```
export default CohortDetails;
```

```
CohortDetails.module.css
```

```
.box {
  width: 300px;
  display: inline-block;
  margin: 10px;
  padding: 10px 20px;
  border: 1px solid black;
  border-radius: 10px;
}

dt {
  font-weight: 500;
}
```

App.js

```
import React from 'react';
```

```
import CohortDetails from './CohortDetails';
```

```
function App() {
```

```
  const cohorts = [
```

```
    {
```

```
      name: 'INTADMDF10-.NET FSD',
```

```
      startDate: '22-Feb-2022',
```

```
      status: 'Scheduled',
```

```
      coach: 'Aathma',
```

```
      trainer: 'Jojo Jose',
```

```
    },
```

```
    {
```

```
      name: 'ADM21JF014-Java FSD',
```

```
      startDate: '10-Sep-2021',
```

```
      status: 'Ongoing',
```

```
      coach: 'Apoorv',
```

```
      trainer: 'Elisa Smith',
```

```
    },
```

```
    {
```

```
      name: 'CDBJF21025-Java FSD',
```

```
      startDate: '24-Dec-2021',
```

```
      status: 'Ongoing',
```

```
      coach: 'Aathma',
```

```
      trainer: 'John Doe',
```

```
    },
```

```

];

return (
  <div>
    <h2>Cohorts Details</h2>
    {cohorts.map((cohort, index) => (
      <CohortDetails key={index} cohort={cohort} />
    ))}
  </div>
);
}

```

```
export default App;
```

OUTPUT:

