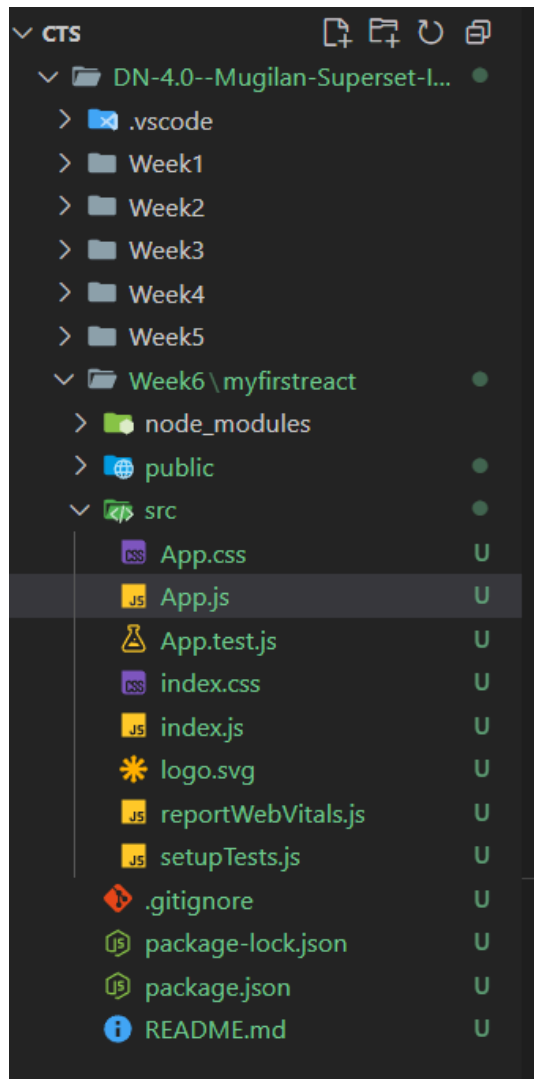1. REACTJS - HOL

App.js

```
export default function App() {
  return (
    <div className="App">
      <h1>Welcome to My First React App</h1>
    </div>
  );
}
```
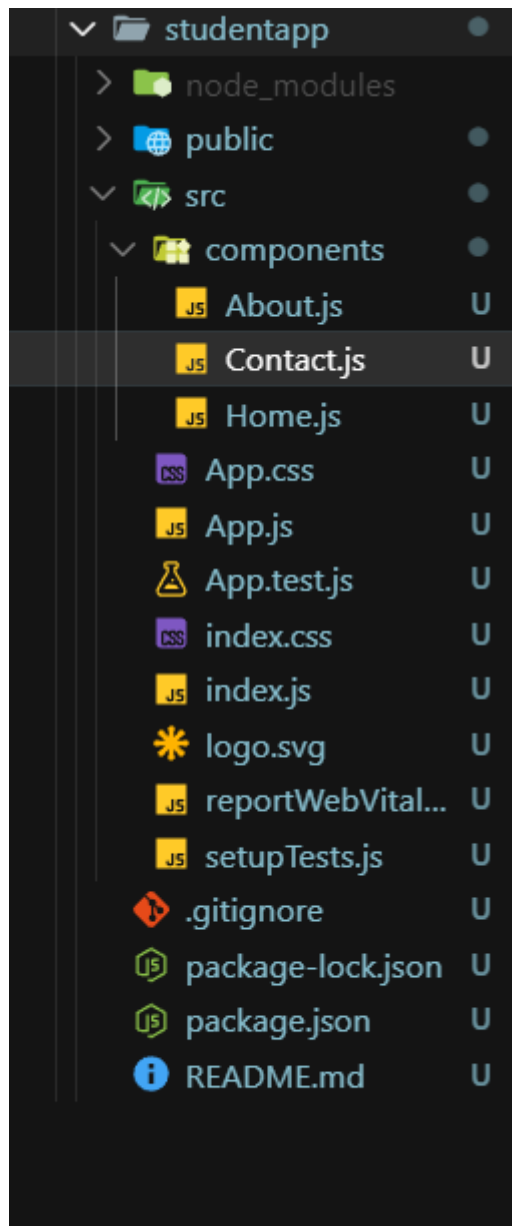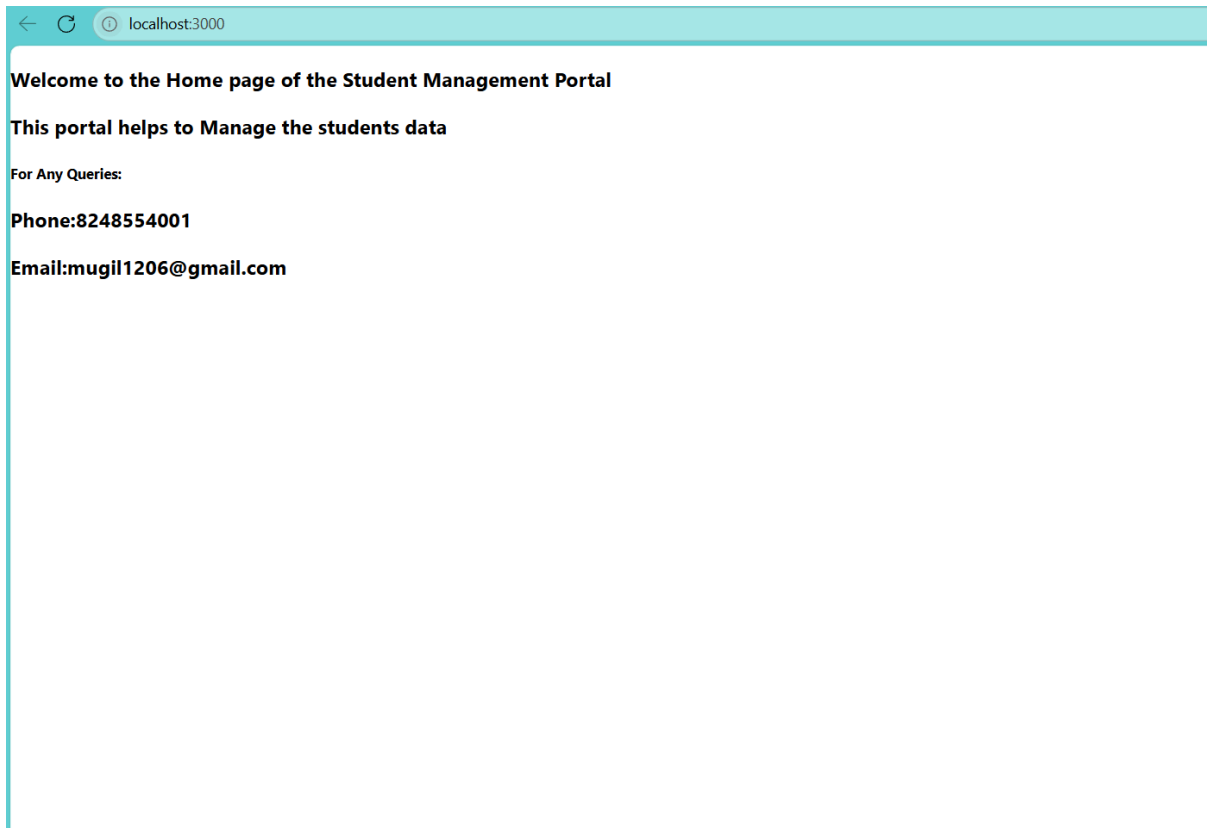
Output:

Welcome to My First React App

2.React HOL: Studentapp

I have writted the code which given in the Hands-on for the component files and executed…..

Output:

3. Problem - Scorecalculator app

[calculatorscore.js](#):

```javascript
import './Stylesheets/mystyle.css';
const percentToDecimal = (decimal) => {
  return (decimal.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>
```

```jsx
      </div>
      <div className="School">
        <b><span> School: </span></b>
        <span>{School}</span>
      </div>
      <div className="Total">
        <b><span>Total:</span></b>
        <span>{total}</span>
        <span>Marks</span>
      </div>
      <div className="Score">
        <b>Score:</b>
        <span>
          {calcScore(
            total,
            goal
          )}
        </span>
      </div>
    </div>
)
```

Mystyle.css

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

.School {
  color: crimson;
}

.Total {
  color: darkmagenta;
}

.formatstyle {
  text-align: center;
  font-size: large;
}
```
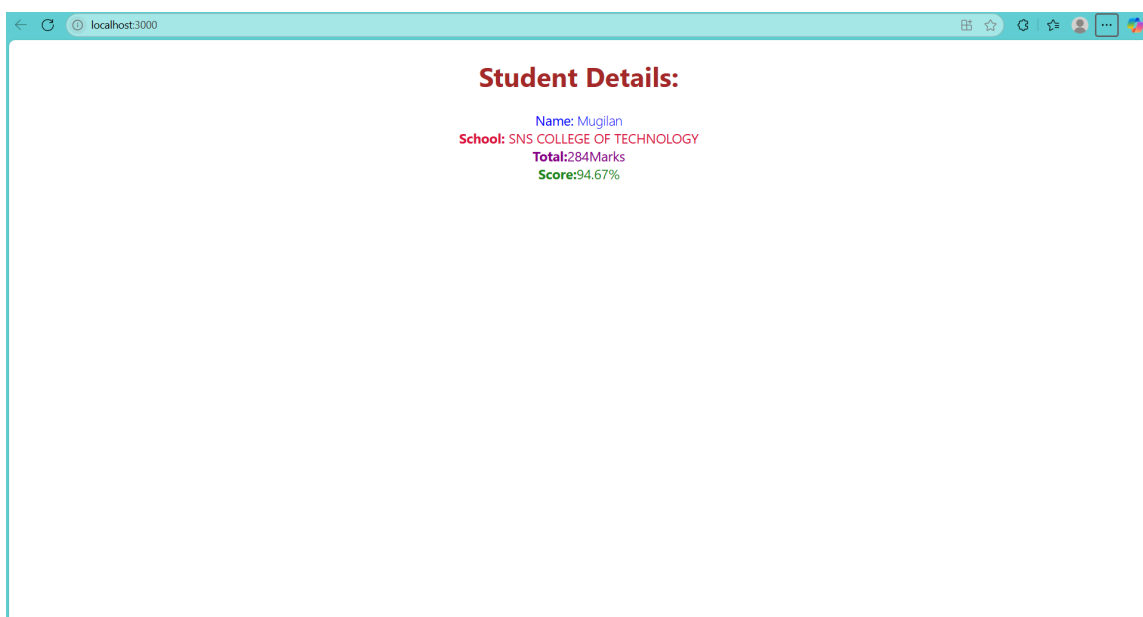
```css
.Score {
  color: forestgreen;
}
```

App .js:

```jsx
import { CalculateScore } from '../src/components/CalculateScore';

function App() {
  return (
    <div>
      <CalculateScore
        Name={"Mugilan"}
        School={"SNS COLLEGE OF TECHNOLOGY"}
        total={284}
        goal={3}
      />
    </div>
  );
}

export default App;
```

Output:

Student Details:

Name: Mugilan
School: SNS COLLEGE OF TECHNOLOGY
Total:284Marks
Score:94.67%

4. React - Blogapp

post.js:

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

Posts:

```javascript
import React from 'react';
import Post from './Post';
class Posts extends React.Component {
    constructor(props) {
        super(props);
        this.state = {
            posts: [],
            hasError: false,
            errorMessage: ''
        };
    }
    loadPosts() {
        fetch('https://jsonplaceholder.typicode.com/posts')
            .then(response => response.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:', error);
                this.setState({ hasError: true, errorMessage:
error.message });
            });
    }
```

```jsx
    componentDidMount() {
        this.loadPosts();
    }
    componentDidCatch(error, info) {
        console.error('Render error:', error);
        this.setState({ hasError: true, errorMessage: error.toString()
});
    }
    render() {
        if (this.state.hasError) {
            return <div>Error loading posts:
{this.state.errorMessage}</div>;
        }
        return (
            <div>
                <h1>Blog Posts</h1>
                {this.state.posts.map(post => (
                    <div key={post.id} style={{ marginBottom: '20px'
}}>
                        <h2>{post.title}</h2>
                        <p>{post.body}</p>
                        <hr />
                    </div>
                ))}
            </div>
        );
    }
}
export default Posts;
```

Output:

React - 5 Cohorttracker

CohortDetails.module.css:

```css
.box {
    width: 300px;
    display: inline-block;
    margin: 10px;
    padding: 10px 20px;
    border: 1px solid black;
    border-radius: 10px;
}
dt {
    font-weight: 500;
}
```

Cohortdetails.js:

```js
import styles from './CohortDetails.module.css';

function CohortDetails(props) {
    const { cohort } = props;
```

```
    const headingStyle = {
        color: cohort.currentStatus.toLowerCase() === 'ongoing' ?
'green' : 'blue'
    };
    return (
        <div className={styles.box}>
            <h3 style={headingStyle}>
                {cohort.cohortCode} - <span>{cohort.technology}</span>
            </h3>
            <dl>
                <dt>Started On</dt>
                <dd>{cohort.startDate}</dd>
                <dt>Current Status</dt>
                <dd>{cohort.currentStatus}</dd>
                <dt>Coach</dt>
                <dd>{cohort.coachName}</dd>
                <dt>Trainer</dt>
                <dd>{cohort.trainerName}</dd>
            </dl>
        </div>
    );
}

export default CohortDetails;
```

Output:

Cohorts Details

INTADMDF10 - .NET FSD
Started On
22-Feb-2022
Current Status
Scheduled
Coach
Aathma
Trainer
Jojo Jose

ADM21JF014 - Java FSD
Started On
10-Sep-2021
Current Status
Ongoing
Coach
Apoorv
Trainer
Elisa Smith

CDBJF21025 - Java FSD
Started On
24-Dec-2021
Current Status
Ongoing
Coach
Aathma
Trainer
John Doe

INTADMJF12 - Java FSD
Started On
22-Feb-2022
Current Status
Scheduled
Coach
Ibrahim
Trainer
To Be Assigned

CDE22JF011 - Java FSD
Started On
24-Dec-2021
Current Status
Ongoing
Coach
Apoorv
Trainer
Emma Swan

INTADMDF09 - Dataware Housing
Started On
22-Feb-2022
Current Status
Scheduled
Coach
Aathma
Trainer
Babjee Rao

ADM22DF001 - .NET FSD
Started On
10-Sep-2021
Current Status
Ongoing
Coach
Ibrahim
Trainer
Marie Curie