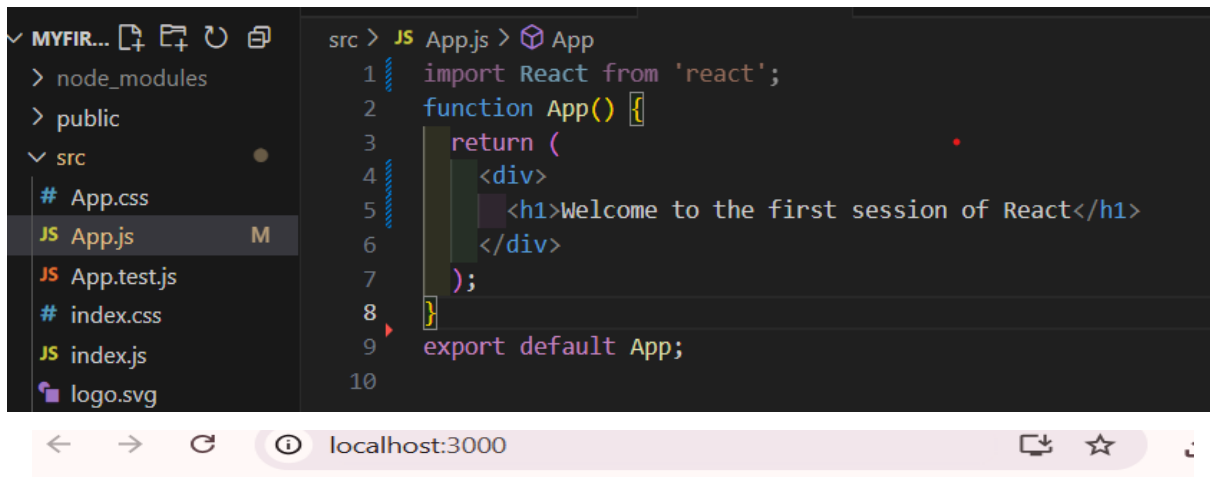


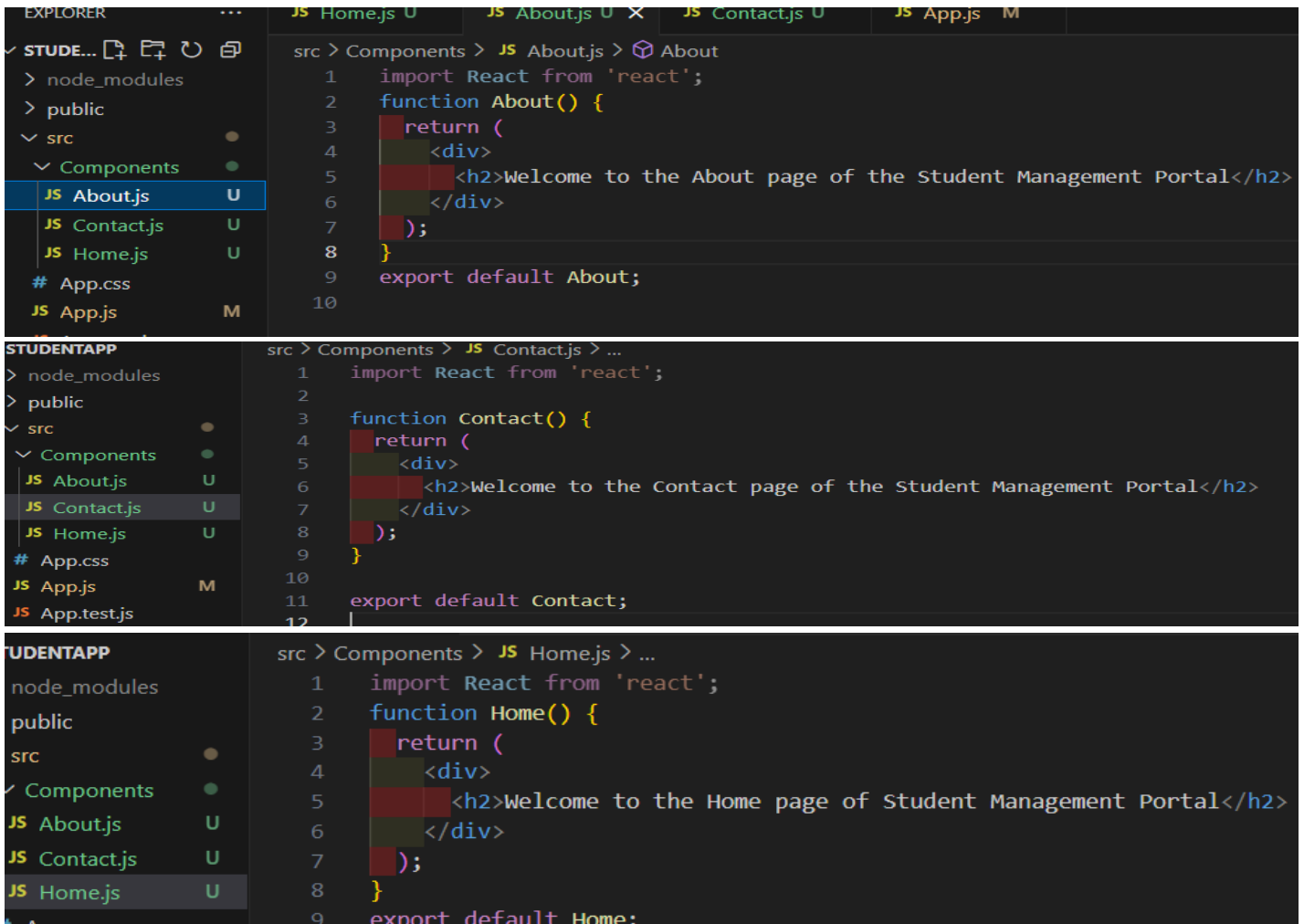
REACT

1. ReactJS-HOL

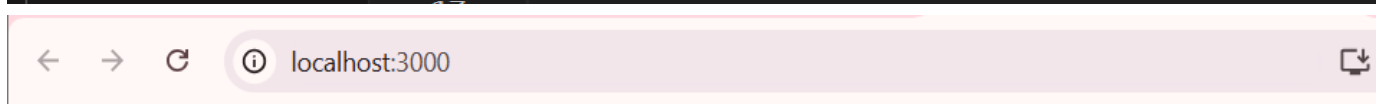


Welcome to the first session of React

2. ReactJS-HOL



```
STUDENTAPP
  > node_modules
  > public
  > src
    > Components
      JS About.js
      JS Contact.js
      JS Home.js
      # App.css
      JS App.js
      JS App.test.js
      # index.css
      JS index.js
      logo.svg
      JS reportWebVitals.js
src > JS App.js > ...
1  import React from 'react';
2  import Home from '../Components/Home';
3  import About from '../Components/About';
4  import Contact from '../Components/Contact';
5
6  function App() {
7    return (
8      <div>
9        <Home />
10       <About />
11       <Contact />
12     </div>
13   );
14 }
15
16 export default App;
```



- Welcome to the Home page of Student Management Portal
- Welcome to the About page of the Student Management Portal
- Welcome to the Contact page of the Student Management Portal

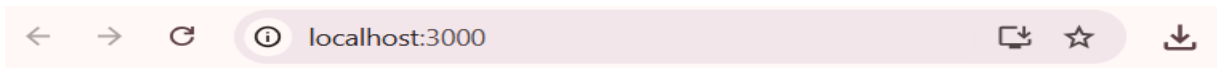
3. ReactJS-HOL

```
SCORECALCULATORAPP
  > node_modules
  > public
  > src
    > Components
      JS CalculateScore.js
    > Stylesheets
      # mystyle.css
      # App.css
      JS App.js
      JS App.test.js
      # index.css
      JS index.js
      logo.svg
      JS reportWebVitals.js
      JS setupTests.js
  .gitignore
  package-lock.json
  package.json
  README.md
src > Components > JS CalculateScore.js > ...
1  import React from 'react';
2  import '../Stylesheets/mystyle.css';
3
4  function CalculateScore() {
5    const name = "Steeve";
6    const school = "DNV Public School";
7    const total = 284;
8    const goal = 300;
9    const percentage = ((total / goal) * 100).toFixed(2);
10
11    return (
12      <div className="student-container">
13        <h2 className="heading">Student Details:</h2>
14        <p><span className="label red">Name:</span> <span className="value blue">{name}</span></p>
15        <p><span className="label red">School:</span> <span className="value purple">{school}</span></p>
16        <p><span className="label blue">Total:</span> <span className="value blue">{total}</span>Marks</p>
17        <p><span className="label green">Score:</span> <span className="value green">{percentage}</span>%</p>
18      </div>
19    );
20  }
21
22  export default CalculateScore;
```

```
JS CalculateScore.js U # mystyle.css U X JS A
src > Stylesheets > # mystyle.css > ...
1  .student-container {
2      text-align: center;
3      margin-top: 50px;
4      font-family: Arial, sans-serif;
5  }
6
7  .heading {
8      color: brown;
9      font-weight: bold;
10     font-size: 28px;
11     margin-bottom: 20px;
12 }
13
14 .label {
15     font-weight: bold;
16 }
17
18 .red {
19     color: red;
20 }
21
22 .blue {
23     color: blue;
24 }
25
26 .purple {
27     color: purple;
28 }
29
30 .green {
31     color: green;
32 }
```

```
EXPLORER src > JS App.js > [?] default
✓ SCORECALCULATORAPP
> node_modules
> public
v src
  v Components
    JS CalculateScor... U
  v Stylesheets
    # mystyle.css U
  # App.css
  JS App.js M
  JS App.test.js

1  import React from 'react';
2  import CalculateScore from './Components/CalculateScore';
3
4  function App() {
5      return (
6          <div>
7              <CalculateScore />
8          </div>
9      );
10 }
11
12 export default App;
```



Student Details:

Name: Steeve

School: DNV Public School

Total: 284Marks

Score: 94.67%

4. ReactJS-HOL

```
JS Post.js  X  JS Posts.js  X  JS App.js
src > JS Posts.js > Posts > constructor
1  import React from 'react';
2  import Post from './Post';
3  class Posts extends React.Component {
4    constructor(props) {
5      super(props);
6      this.state = {
7        posts: [],
8        hasError: false
9      };
10   loadPosts() {
11     fetch('https://jsonplaceholder.typicode.com/posts')
12       .then(response => response.json())
13       .then(data => this.setState({ posts: data }))
14       .catch(error => {
15         console.error("Error fetching posts:", error);
16         this.setState({ hasError: true });
17       });
18   componentDidMount() {
19     this.loadPosts();
20   }
21   componentDidCatch(error, info) {
22     alert('An error occurred while rendering the component.');
```

```
23   render() {
24     const { posts, hasError } = this.state;
25     if (hasError) {
26       return <h2 style={{ color: 'red' }}>Something went wrong!</h2>;
27     }
28     return (
29       <div style={{ padding: '20px' }}>
30         <h1>Blog Posts</h1>
31         {posts.map(post => (
32           <Post key={post.id} title={post.title} body={post.body} />
33         ))}
34       </div>
35     );
36   }
```

```
JS Post.js  X  JS Posts.js  X  JS App.js
src > JS Post.js > ...
1  import React from 'react';
2
3  class Post extends React.Component {
4    render() {
5      return (
6        <div style={{ marginBottom: '20px', padding: '10px', border: '1px solid #ccc' }}>
7          <h3>{this.props.title}</h3>
8          <p>{this.props.body}</p>
9        </div>
10     );
11   }
12 }
13
14 export default Post;
15
```

```
JS Post.js  JS Posts.js  JS App.js  X
src > JS App.js > App
1  import React from 'react';
2  import Posts from './Posts';
3
4  function App() {
5    return (
6      <div className="App">
7        <Posts />
8      </div>
9    );
10 }
11 export default App;
```

Blog Posts

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5. ReactJS-HOL

```
src > # CohortDetails.module.css > .box
1  .box {
2    width: 300px;
3    display: inline-block;
4    margin: 10px;
5    padding: 10px 20px;
6    border: 1px solid black;
7    border-radius: 10px;
8    vertical-align: top;
9  }
10
11  dt {
12    font-weight: 500;
13  }
14
15  .statusOngoing {
16    color: green;
17  }
18
19  .statusOther {
20    color: blue;
21  }
22
```

Cohorts Details

INTADMDF10 - .NET FSD	ADM21JF014 - Java FSD	CDBJF21025 - Java FSD
Started On 22-Feb-2022	Started On 10-Sep-2021	Started On 24-Dec-2021
Current Status Scheduled	Current Status Ongoing	Current Status Ongoing
Coach Aathma	Coach Apoorv	Coach Aathma
Trainer Jojo Jose	Trainer Elisa Smith	Trainer John Doe

```
src > JS CohortDetails.js > CohortDetails
1  import React from 'react';
2  import styles from './CohortDetails.module.css';
3
4  function CohortDetails({ cohort }) {
5    const statusClass =
6      cohort.status.toLowerCase() === 'ongoing'
7      ? styles.statusOngoing
8      : styles.statusOther;
9
10    return (
11      <div className={styles.box}>
12        <h3 className={statusClass}>{cohort.name}</h3>
13        <dl>
14          <dt>Started On</dt>
15          <dd>{cohort.startDate}</dd>
16
17          <dt>Current Status</dt>
18          <dd>{cohort.status}</dd>
19
20          <dt>Coach</dt>
21          <dd>{cohort.coach}</dd>
22
23          <dt>Trainer</dt>
24          <dd>{cohort.trainer}</dd>
25        </dl>
26      </div>
27    );
28  }
29
30  export default CohortDetails;
```