1. React handson-1:

App.js:

import logo from './logo.svg';

import './App.css';

function App() {

return (

<div className="App">

<header className="App-header">

<img src={logo} className="App-logo" alt="logo" />

<p>

Edit <code>src/App.js</code> and save to reload.

</p>

<a

className="App-link"

href="https://reactjs.org"

target="\_blank"

rel="noopener noreferrer"

>

Welcome to the first session of React!

</a>

</header>

</div>

);

}

export default App;

2. React HandsOn-2:

App.js:

import logo from './logo.svg';

import './App.css';

import Home from './Components/Home';

import About from './Components/About';

import Contact from './Components/Contact';

import React from 'react';

function App() {

return (

<div className="App">

<header className="App-header">

<img src={logo} className="App-logo" alt="logo" />

<p>

Edit <code>src/App.js</code> and save to reload.

</p>

<a

className="App-link"

href="https://reactjs.org"

target="\_blank"

rel="noopener noreferrer"

>

<Home/>

<About/>

<Contact/>

</a>

</header>

</div>

);

}

export default App;

Home.js:

import React, { Component } from 'react';

class Home extends Component {

render() {

return (

<div>

<h3>Welcome to the Home page of student management portal</h3>

</div>

);

}

}

export default Home;

About.js:

import React, { Component } from 'react';

class About extends Component {

render() {

return (

<div>

<h3>Welcome to the About page of student management portal</h3>

</div>

);

}

}

export default Home;

Contact.js:

import React, { Component } from 'react';

class Contact extends Component {

render() {

return (

<div>

<h3>Welcome to the Contact page of student management portal</h3>

</div>

);

}

}

export default Contact;

3. React HandsOn-3:

CalculateScore.js:

import '../StyleSheet/myStyle.css';

const percentageToDecimal = (percentage) => {

return (percentage \* 100).toFixed(2) + '%';

};

const calculateScore = (total, goal) => {

return percentageToDecimal(total / goal);

};

const CalculateScore = ({ Name, School, total, goal }) => {

return (

<div className="formatstyle">

<h1><span style={{ color: "White" }}>Student Detail</span></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>

<span>Marks</span>

</div>

<div className="Score">

<b><span>Score: </span></b>

<span>{calculateScore(total, goal)}</span>

</div>

</div>

);

};

export default CalculateScore;

myStyles.css:

.Name

{

font-size: 300;

color: blue;

}

.School{

color: crimson;

}

.Total{

color: darkmagenta;

}

.formatstyle{

text-align: center;

font-size: large;

}

.Score{

color: forestgreen;

}

App.js:

import logo from './logo.svg';

import './App.css';

import CalculateScore from './Components/CalculateScore';

function App() {

return (

<div className="App">

<header className="App-header">

<img src={logo} className="App-logo" alt="logo" />

<p>

Edit <code>src/App.js</code> and save to reload.

</p>

<a

className="App-link"

href="https://reactjs.org"

target="\_blank"

rel="noopener noreferrer"

>

</a>

<CalculateScore Name={"Arvind"} School={"MV Higher Secondary School"} total={500} goal={5}/>

</header>

</div>

);

}

export default App;

4. React HandsOn-4:

Posts.js:

import React from 'react';

class Posts extends React.Component{

constructor(props){

super(props);

this.state = {

posts: []

};

}

async loadposts(){

await fetch('https://jsonplaceholder.typicode.com/posts')

.then(response => response.json())

.then(data => {

this.setState({ posts: data });

})

.catch(error => {

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

});

}

componentDidMount(){

this.loadposts();

}

render() {

const { posts } = this.state || {};

return (

<div>

{posts && posts.map(post => (

<div key={post.id}>

<h2>{post.title}</h2>

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

</div>

))}

</div>

);

}

componentDidCatch(error, info) {

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

}

}

export default Posts;

Post.js:

class Post{

constructor(id, title, body){

this.id = id;

this.title = title;

this.body = body;

}

}

App.js:

import logo from './logo.svg';

import './App.css';

import Posts from './Posts';

function App() {

return (

<div className="App">

<header className="App-header">

<img src={logo} className="App-logo" alt="logo" />

<p>

Edit <code>src/App.js</code> and save to reload.

</p>

<a

className="App-link"

href="https://reactjs.org"

target="\_blank"

rel="noopener noreferrer"

>

</a>

<Posts/>

</header>

</div>

);

}

export default App;

**I was not able to download the zip file from HandsOn 5. So, I completed the week 7 HandsOn instead.**

5. React HandsOn-7:

Cart.js:

export const Cart = (props) => {

return (

{props.item.map((item) => (

<tr key={item.itemname}>

<td>{item.itemname}</td>

<td>{item.price}</td>

</tr>

))}

);

}

export default Cart;

onlineShopping.js:

import React from 'react';

import Cart from './Cart';

export class OnlineShopping extends React.Component {

render() {

const CartInfo = [

{ itemname: 'Laptop', price: 1000 },

{ itemname: 'Phone', price: 500 },

{ itemname: 'Tablet', price: 300 },

{ itemname: 'Headphones', price: 100 },

{ itemname: 'Smartwatch', price: 200 }

];

return (

<div className="mydiv">

<h1 style={{textAlign:'center'}}>Items ordered:</h1>

<table border="1" style={{ margin: '0 auto', borderCollapse: 'collapse', width: '20%', padding: '20%' }}>

<thead>

<tr>

<th>Item Name</th>

<th>Price</th>

</tr>

</thead>

<tbody>

<Cart item={CartInfo} />

</tbody>

</table>

</div>

);

}

}

App.js:

import logo from './logo.svg';

import './App.css';

import Posts from './Posts';

import { OnlineShopping } from './onlineShopping';

function App() {

return (

<OnlineShopping/>

);

}

export default App;