

WEEK 6

Exercise1:

```
Windows PowerShell
C:\Users\swethaganesh\Desktop>npx create-react-app@latest myfirstreact
Need to install the following packages:
create-react-app@5.1.0
Ok to proceed? (y) y

npm warn deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a good and tested way to
coalesce async requests by a key value, which is much more comprehensive and powerful.
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated fstream-ignore@1.0.5: This package is no longer supported.
npm warn deprecated uid-number@0.0.6: This package is no longer supported.
npm warn deprecated rimraf@2.7.1: Rimraf versions prior to v4 are no longer supported
npm warn deprecated fstream@1.0.12: This package is no longer supported.
npm warn deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap.
create-react-app is deprecated.

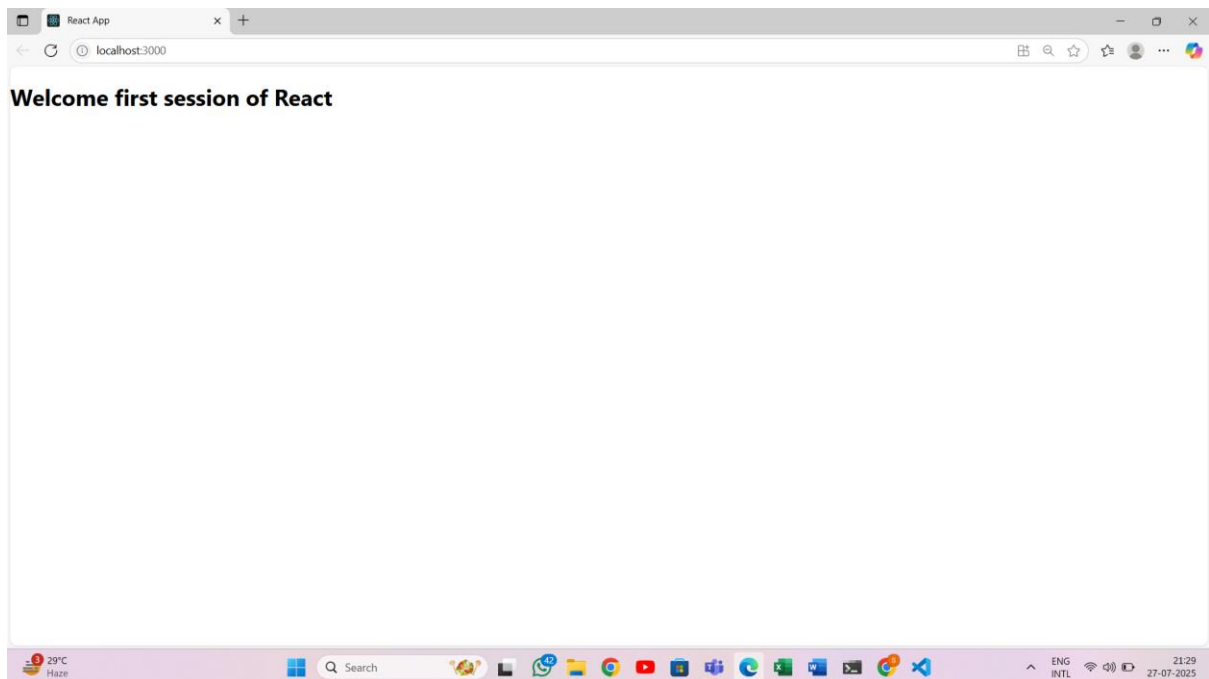
You can find a list of up-to-date React frameworks on react.dev
For more info see:https://react.dev/link/cra

This error message will only be shown once per install.

Creating a new React app in C:\Users\swethaganesh\Desktop\myfirstreact.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1323 packages in 2m
269 packages are looking for funding
  run 'npm fund' for details
Initialized a git repository.
Installing template dependencies using npm...
added 17 packages, and changed 1 package in 23s
269 packages are looking for funding
  run 'npm fund' for details
Removing template package using npm...
```



```
import logo from './logo.svg';
import './App.css';

function App() {
  return (
    <h1>Welcome first session of React</h1>
  );
}

export default App;
```

Exercise2:

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 About;
```

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>  
    );  
  }  
}
```

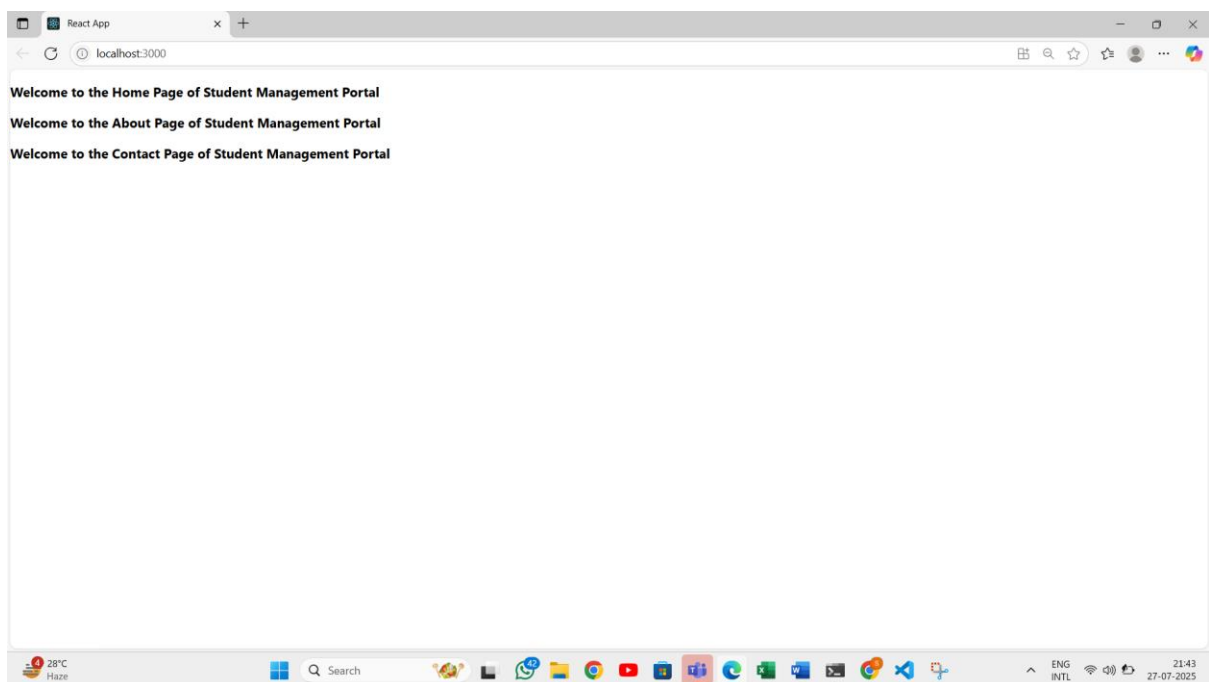
```
export default Contact;
```

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';
```

```
function App() {  
  return (  
    <div className="container">  
      <Home />  
      <About />  
      <Contact />  
    </div>  
  );  
}
```

```
export default App;
```



Exercise 3:

APP.js

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

```
function App() {  
  return (  
    <div>  
      <CalculateScore  
        Name="Steeve"  
        School="DNV Public School"  
        total={284}  
        goal={3}  
      />  
    </div>  
  );  
}
```

```
export default App;
```

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 style={{ color: 'brown' }}>Student Details:</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} Marks</span>
```

```
    </div>
```

```
    <div className="Score">
```

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

```
      <span>{calcScore(total, goal)}</span>
```

```
    </div>
```

```
  </div>
```

```
);
```

mystyle.css

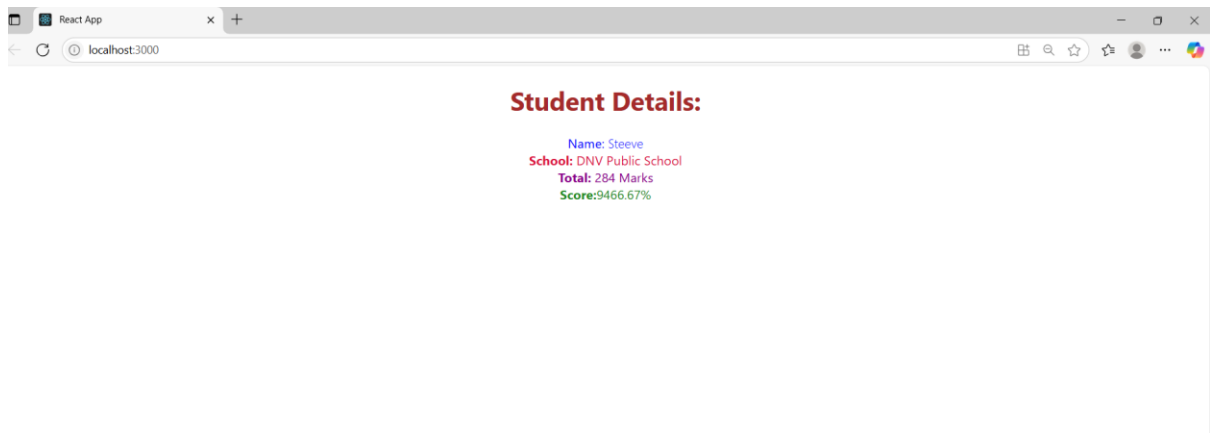
```
.Name {  
    font-weight: 300;  
    color: blue;  
}
```

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

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

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

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



Exercise 4:

Post.js

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

export default Post;

Posts.js:

// Posts.js

import React from "react";

class Posts extends React.Component {

constructor(props) {

super(props);


```
this.state = {  
  posts: [],  
};  
}
```

// Step 6 + Step 7: Fetch data from API and set it in state

```
loadPosts() {  
  fetch("https://jsonplaceholder.typicode.com/posts")  
    .then((response) => response.json())  
    .then((data) => {  
      this.setState({ posts: data });  
    })  
    .catch((error) => {  
      console.error("Fetching error:", error);  
      alert("Error fetching posts!");  
    });  
}
```

// Step 7: Call loadPosts() when component mounts

```
componentDidMount() {  
  this.loadPosts();  
}
```

// Step 9: Catch any rendering/runtime errors

```
componentDidCatch(error, info) {  
  console.error("Error in component:", error);  
  alert("Something went wrong in the Posts component.");  
}
```

```
// Step 8: Render posts
render() {
  return (
    <div>
      <h2>All Posts</h2>
      {this.state.posts.map((post) => (
        <div key={post.id} style={{ marginBottom: "1rem" }}>
          <h3>{post.title}</h3>
          <p>{post.body}</p>
        </div>
      ))}
    </div>
  );
}
}

export default Posts;
```

APP.js:

```
// App.js
import React from "react";
import Posts from "../Components/Posts"; // adjust the path if needed

function App() {
  return (
    <div className="App">
      <h1>Welcome to the Blog</h1>
```

```

    <Posts />

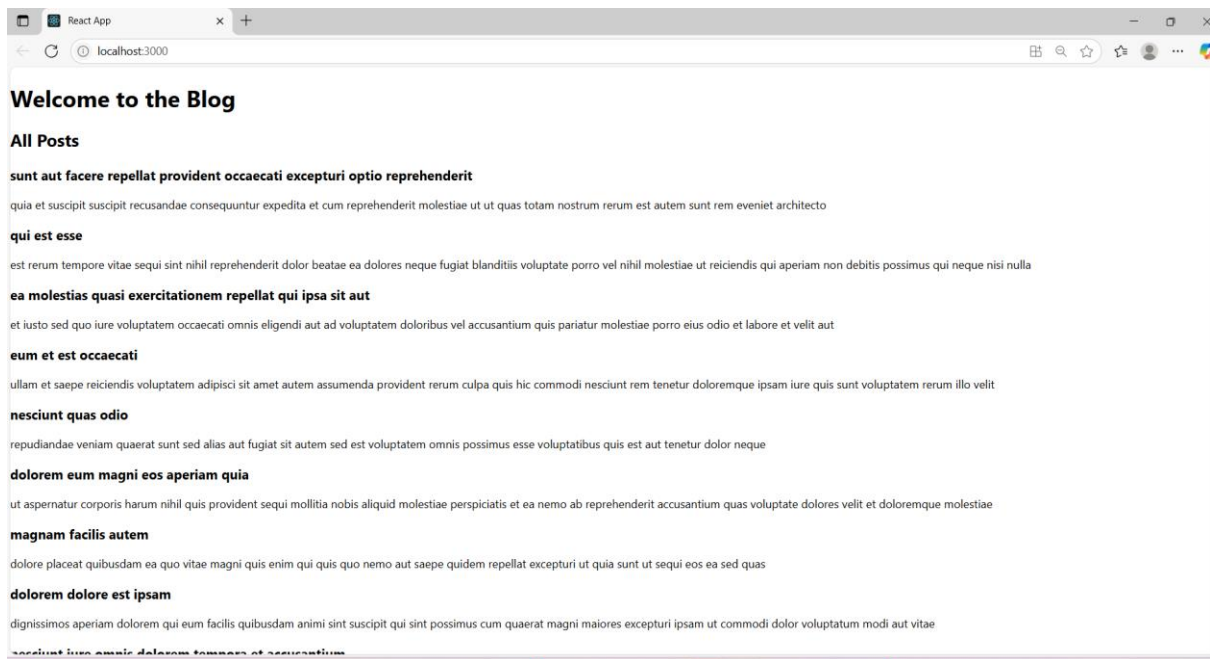
  </div>

);

}

```

```
export default App;
```



Exercise 5:

CohortDetails.js:

```

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

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

  const headingColor = cohort.currentStatus === 'Ongoing' ? 'green' : 'blue';

  return (
    <div className={styles.box}>
      <h3 style={{ color: headingColor }}>
        {cohort.cohortCode} - {cohort.technology}
      </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;
```

CohortDetails.modules.css:

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

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

```
.green {
    color: green;
}
```

```
}
```

```
.blue {
```

```
  color: blue;
```

```
}
```



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	