**HANDS ON 1: MY FIRST REACT**

import React from 'react';

function App() {

return (

<div>

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

</div>

);

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

Welcome to the first session of React

**HANDS ON 2: STUDENT MANAGEMENT PORTAL**

import React from 'react';

function Home() {

return (

<div>

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

</div>

);

}

export default Home;

import React from 'react';

function About() {

return (

<div>

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

</div>

);

}

export default About;

import React from 'react';

function Contact() {

return (

<div>

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

</div>

);

}

export default Contact;

import React from 'react';

import Home from './Home';

import About from './About';

import Contact from './Contact';

function App() {

return (

<div>

<h1>Student Management Portal</h1>

<Home />

<About />

<Contact />

</div>

);

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

Student Management Portal

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

**HANDS ON 3: CALCULATE SCORE**

import React from 'react';

function CalculateScore({ name, school, total, goal }) {

const average = total / goal;

return (

<div>

<h2>Student Score Summary</h2>

<p><strong>Name:</strong> {name}</p>

<p><strong>School:</strong> {school}</p>

<p><strong>Total Marks:</strong> {total}</p>

<p><strong>Goal:</strong> {goal}</p>

<p><strong>Average Score:</strong> {average.toFixed(2)}</p>

</div>

);

}

export default CalculateScore;

import React from 'react';

import CalculateScore from './CalculateScore';

function App() {

return (

<div>

<h1>Student Management Portal - Score Calculator</h1>

<CalculateScore

name="Alice Johnson"

school="Greenwood High School"

total={435}

goal={5}

/>

</div>

);

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

Student Management Portal - Score Calculator

Student Score Summary

Name: Alice Johnson

School: Greenwood High School

Total Marks: 435

Goal: 5

Average Score: 87.00

**HANDS ON 4: BLOG APP**

import React from 'react';

import './App.css';

function App() {

return (

<div className="App">

<h1>Welcome to Blog App</h1>

</div>

);

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

Welcome to Blog App

**HANDS ON 5 : COHORT DETAILS**

import React from 'react';

import CohortCard from './CohortCard';

import './App.css';

function App() {

const cohorts = [

{ id: 1, name: 'React Basics', status: 'Ongoing', startDate: '2025-07-01', endDate: '2025-08-15' },

{ id: 2, name: 'Spring Boot Advanced', status: 'Completed', startDate: '2025-05-01', endDate: '2025-06-15' },

{ id: 3, name: 'Data Structures', status: 'Ongoing', startDate: '2025-07-10', endDate: '2025-08-30' }

];

return (

<div className="dashboard">

<h1>Cohort Dashboard</h1>

<div className="cohort-container">

{cohorts.map(cohort => (

<CohortCard key={cohort.id} cohort={cohort} />

))}

</div>

</div>

);

}

export default App;

import React from 'react';

import './App.css';

function CohortCard({ cohort }) {

return (

<div className={`cohort-card ${cohort.status.toLowerCase()}`}>

<h2>{cohort.name}</h2>

<p><strong>Status:</strong> {cohort.status}</p>

<p><strong>Start Date:</strong> {cohort.startDate}</p>

<p><strong>End Date:</strong> {cohort.endDate}</p>

</div>

);

}

export default CohortCard;

body {

font-family: 'Segoe UI', sans-serif;

background-color: #f4f4f4;

margin: 0;

padding: 20px;

}

.dashboard {

text-align: center;

}

.cohort-container {

display: flex;

justify-content: center;

flex-wrap: wrap;

gap: 20px;

margin-top: 20px;

}

.cohort-card {

background-color: white;

border-radius: 8px;

box-shadow: 0 2px 6px rgba(0,0,0,0.1);

padding: 20px;

width: 250px;

transition: transform 0.2s;

}

.cohort-card:hover {

transform: scale(1.03);

}

.cohort-card.ongoing {

border-left: 6px solid #007bff;

}

.cohort-card.completed {

border-left: 6px solid #28a745;

}

**OUTPUT:**

Visual Description:

A heading: Cohort Dashboard

Below that, a set of cohort cards displayed in a row or grid.

Cards have:

Title (e.g., "React Basics")

Status (highlighted with colored border — blue for Ongoing, green for Completed)

Start Date and End Date