1. **ReactJS-HOL**

**Code:**

**trainer.js**

class Trainer {

constructor(trainerId, name, email, phone, technology, skills) {

this.trainerId = trainerId;

this.name = name;

this.email = email;

this.phone = phone;

this.technology = technology;

this.skills = skills;

}

}

export default Trainer;

TrainersMock.js

import Trainer from './trainer';

const trainers = [

new Trainer(1, "Shilky K", "shilky@example.com", "9876543210", "Full Stack", ["React", "NodeJS"]),

new Trainer(2, "Ravi Kumar", "ravi@example.com", "8765432109", "Cloud", ["AWS", "Azure"]),

new Trainer(3, "Anjali Sharma", "anjali@example.com", "7654321098", "Data", ["Python", "ML"]),

];

export default trainers;

**TrainerList.js**

import React from 'react';

import { Link } from 'react-router-dom';

function TrainersList({ trainers }) {

return (

<div>

<h2>Trainer List</h2>

<ul>

{trainers.map(trainer => (

<li key={trainer.trainerId}>

<Link to={`/trainer/${trainer.trainerId}`}>{trainer.name}</Link>

</li>

))}

</ul>

</div>

);

}

export default TrainersList;

**Home.js**

import React from 'react';

function Home() {

return (

<div>

<h2>Welcome to Cognizant Academy Trainers Portal</h2>

<p>Use this application to view trainer details and their expertise.</p>

</div>

);

}

export default Home;

**App.js**

import React from 'react';

import { BrowserRouter as Router, Routes, Route, Link } from 'react-router-dom';

import Home from './Home';

import TrainersList from './TrainerList';

import TrainerDetails from './TrainerDetails';

import trainers from './TrainersMock';

function App() {

return (

<Router>

<div>

<h1>Trainers Management Portal</h1>

<nav>

<Link to="/">Home</Link> | <Link to="/trainers">Trainers</Link>

</nav>

<hr />

<Routes>

<Route path="/" element={<Home />} />

<Route path="/trainers" element={<TrainersList trainers={trainers} />} />

<Route path="/trainer/:id" element={<TrainerDetails />} />

</Routes>

</div>

</Router>

);

}

export default App;

**TrainerDetails.js**

import React from 'react';

import { useParams } from 'react-router-dom';

import trainers from './TrainersMock';

function TrainerDetails() {

const { id } = useParams();

const trainer = trainers.find(t => t.trainerId === parseInt(id));

if (!trainer) return <p>Trainer not found.</p>;

return (

<div>

<h2>Trainer Details</h2>

<p><strong>ID:</strong> {trainer.trainerId}</p>

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

<p><strong>Email:</strong> {trainer.email}</p>

<p><strong>Phone:</strong> {trainer.phone}</p>

<p><strong>Technology:</strong> {trainer.technology}</p>

<p><strong>Skills:</strong> {trainer.skills.join(', ')}</p>

</div>

);

}

export default TrainerDetails;

**OUTPUT:**



