**Practical No. 10**

**Exercise : To Create a SPA (Single Page Application)**

**Implementation:**

**Program:**

**first.html**

<!-- Display message from the controller -->

<h1>{{ message }}</h1>

<p>This is the content of the first page.</p>

**Second.html**

<!-- Display message from the controller -->

<h1>{{ message }}</h1>

<p>You are on the second page. Welcome!</p>

**Third.html**

<!-- Display message from the controller -->

<h1>{{ message }}</h1>

<p>Congratulations! You have reached the third page.</p>

**Main.html**

<!-- Display message from the controller -->

<h1>{{ message }}</h1>

<p>This is the main page content.</p>

**Index.html**

<!DOCTYPE html>

<html lang="en" ng-app="myApp">

<head>

<meta charset="UTF-8">

<title>AngularJS SPA</title>

<!-- Include AngularJS library and custom script -->

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

<script src="script.js"></script>

</head>

<body>

<!-- Placeholder for views to be loaded dynamically -->

<div ng-view></div>

</body>

</html>

**Script.js**

// AngularJS module declaration with ngRoute dependency

var app = angular.module('myApp', ['ngRoute']);

// Configuration for AngularJS routing

app.config(function($routeProvider) {

$routeProvider

.when('/main', {

templateUrl: 'main.html',

controller: 'MainController'

})

.when('/first', {

templateUrl: 'first.html',

controller: 'FirstController'

})

.when('/second', {

templateUrl: 'second.html',

controller: 'SecondController'

})

.when('/third', {

templateUrl: 'third.html',

controller: 'ThirdController'

})

.otherwise({

redirectTo: '/main'

});

});

// Controller for the main page

app.controller('MainController', function($scope) {

$scope.message = 'Welcome to the Main Page!';

});

// Controller for the first page

app.controller('FirstController', function($scope) {

$scope.message = 'This is the First Page!';

});

// Controller for the second page

app.controller('SecondController', function($scope) {

$scope.message = 'You are on the Second Page!';

});

// Controller for the third page

app.controller('ThirdController', function($scope) {

$scope.message = 'You have reached the Third Page!';

});

**Output:**







