**CODING ASSIGNMENT 8.1 SOLUTION**

**Index.html:**

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8" />

<title>Sulur to Gandhipuram</title>

<meta name="viewport" content="initial-scale=1,maximum-scale=1,user-scalable=no" />

<link href="https://api.mapbox.com/mapbox-gl-js/v3.15.0/mapbox-gl.css" rel="stylesheet">

<script src="https://api.mapbox.com/mapbox-gl-js/v3.15.0/mapbox-gl.js"></script>

<style>

body { margin: 0; padding: 0; }

#map { width: 100%; height: 600px; }

</style>

</head>

<body>

<div id="map"></div>

<script>

let stops = [

[77.19133549, 11.0241],

[77.024781, 10.997041],

[76.991592, 10.997455],

[76.981118, 10.992959],

[76.966698, 11.020522]

];

function showMarkers() {

mapboxgl.accessToken = 'pk.eyJ1Ijoic2VudGhpbGt1cHB1c3dhbXkiLCJhIjoiY2twbTlkMzBlMDQxYjJ2bXcwcG5xdnhzNCJ9.mmPcPQN\_3raRRh8Q0S1kEw';

const map = new mapboxgl.Map({

container: 'map',

style: 'mapbox://styles/mapbox/streets-v11',

center: stops[0], // start at Sulur

zoom: 11,

});

for (let i = 0; i < stops.length; i++) {

setTimeout(() => {

new mapboxgl.Marker({ color: "red" })

.setLngLat(stops[i])

.addTo(map);

}, i \* 1500); // 1.5 sec delay

}

}

window.onload = showMarkers;

</script>

</body>

</html>