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Course:	Ubiquitous computing Laboratory (Honors)
Experiment No.:	03

AIM: To Implement application for context-aware system.

CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Get Location Details</title>
    <link rel="stylesheet" href="https://unpkg.com/leaflet/dist/leaflet.css"
/>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300&display=swap"
rel="stylesheet">
</head>

<body>
    <style>
        body {
            font-family: 'Poppins', sans-serif;
            margin: 20px;
        }
        h1 {
            color: #333;
            font-weight: bold;
        }
        #map {
            height: 600px;
            width: 700px;
            margin-top: 20px;
            border-radius: 20px;
            position: fixed;
            box-shadow: 0 10px 16px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0,
0, 0, 0.19) !important;
        }
        #tourist-info {
```



```
        margin-left: 30px;
        font-size: 25px;
    }

    #tourist-info::before {
        font-size: 40px;
        content: '📍';
    }

    #tourist-info {
        border-bottom: 1px solid #ccc;
        padding-bottom: 10px;
    }
</style>
<div style="position: fixed; display: flex; ">
    <h1>📍NEARBY PLACES</h1>
</div>
<div style="display: flex; padding-top: 75px;">
    <div id="map"></div>
    <div style="margin-left: 700px;">
        <p id="tourist-info"></p>
    </div>
</div>
<script src="https://unpkg.com/leaflet/dist/leaflet.js"></script>
<script>
    var map = L.map('map').setView([51.505, -0.09], 13);
    L.tileLayer('https://s.tile.openstreetmap.org/{z}/{x}/{y}.png', {
        attribution: '&copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> contributors'
    }).addTo(map);
    map.on('click', function (e) {
        var coordinates = e.latlng;
        document.getElementById('coordinates').innerHTML = 'Coordinates: '
+ coordinates.lat + ', ' + coordinates.lng;

        suggestTouristPlaces(coordinates.lat, coordinates.lng);
    });

    function suggestTouristPlaces() {
        const options = {
            method: 'GET',
            headers: {
                accept: 'application/json',

```



```
Authorization:  
'fsq36GdsRLCWZ7u08FNao+QaKQ4wdUPxCdjiSKqxaRPQz0='  
}  
};  
  
fetch('https://api.foursquare.com/v3/places/search', options)  
.then(response => response.json())  
// .then(response => console.log(response))  
.then((response) => {  
    for (let index = 0; index < 10; index++) {  
        document.getElementById('tourist-info').innerHTML +=  
"<b>" + response.results[index].name + "</b><br>" +  
response.results[index].location.formatted_address + "<br> <b>" +  
response.results[index].closed_bucket + "</b><br><hr><br>";  
    }  
})  
.catch(err => console.error(err));  
}  
suggestTouristPlaces()  
</script>  
</body>  
</html>
```

OUTPUT:

The screenshot shows a web browser window with the URL 127.0.0.1:5500/try.html. On the left, there is a map of Chhindwara district, Madhya Pradesh, showing various towns and roads. On the right, there is a list of nearby places with their addresses and opening status.

Place	Address	Status
Renault	Sky Towers, Gram Sarra, Nh 547 (Nagpur Road), Chhindwāra 480001, Madhya Pradesh	LikelyOpen
Sleepwell	Naka Road, Chhindwāra 480001, Madhya Pradesh	LikelyOpen
Royal Enfield Service Center	Kh No 152, Pn 20/13, Ubhegaon Heights, Nagpur Road (Chandangaon Colony), Chhindwāra 480001, Madhya Pradesh	LikelyOpen
Royal Enfield Showroom	Kh No 152, Pn 20/13, Ubhegaon Heights, Nagpur Road (Chandangaon Colony), Chhindwāra 480001, Madhya Pradesh	