Practical 6:

AIM: Create a HTML5 web page which shows the use of Geolocation.
Code:

```
<html>
<head>
 <title>Geolocation Practical</title>
</head>
<style>
  .btn {
 background-color: rgb(225, 231, 236);
 border: none;
 color: rgb(0, 0, 0);
 padding: 12px 16px;
 font-size: 16px;
 cursor: pointer;   }
.btn:hover {      background-color: rgb(113, 119, 119);           }
img {         border: 1px solid #ddd;
              border-radius: 4px;
              padding: 5px;                    }
img:hover {            box-shadow: 0 0 2px 1px rgba(0, 140, 186, 0.5);          }
</style>
<body>
    <h2 align="center">Geolocation Practical</h2>
    <p>when Click On button it gives Latitude and Longitude</p>
    <button onclick="getLoc()" class="btn">Get Location</button>
    <p id="loc"></p>
    <a id="link" href="">Google Map Live Location</a>
  <div id="mapholder"></div>
  <script>
  var a=document.getElementById("loc");
  function getLoc()
     {
       if(navigator.geolocation)
       {          navigator.geolocation.getCurrentPosition(showPosition,DisplayError);     }
       else
       {          a.innerHTML="Oh, Geolocation is not supported.";           }
     }
     function showPosition(position)
     {
       var latlon = position.coords.latitude + "," + position.coords.longitude;
       var
maplink=a.innerHTML="https://www.google.com/maps/@"+position.coords.latitude+","+po
sition.coords.longitude+",15z";
     document.getElementById('link').href =maplink;
```

```
     var img_url =
"https://maps.googleapis.com/maps/api/staticmap?center="+latlon+"&zoom=14&size=400x3
00&key=AIzaSyBu-916DdpKAjTmJNIgngS6HL_kDIKU0aU";
  document.getElementById("mapholder").innerHTML = "<img src='"+img_url+"'>";
}
     function DisplayError(error)
     {
       switch(error.code)
        {
        case error.PERMISSION_DENIED:
        a.innerHTML = "denied the request.";
        break;
        case error.POSITION_UNAVAILABLE:
        a.innerHTML = "Location information is not available.";
        break;
        case error.TIMEOUT:
        a.innerHTML = "get user location timed out.";
        break;
        case error.UNKNOWN_ERROR:
        a.innerHTML = "An unknown error occurred.";
        break;
        }
     }
   </script>
</body>
</html>
```

OUTPUT: