

Elevation service



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JavaScript

JavaScript + HTML

```
var elevator;
var map;
var infowindow = new google.maps.InfoWindow();
var denali = new google.maps.LatLng(63.3333333, -150.5);

function initialize() {
  var mapOptions = {
    zoom: 8,
    center: denali,
    mapTypeId: 'terrain'
  }
  map = new google.maps.Map(document.getElementById('map-canvas'), mapOptions);

  // Create an ElevationService
  elevator = new google.maps.ElevationService();

  // Add a listener for the click event and call getElevation on that location
  google.maps.event.addListener(map, 'click', getElevation);
}
```

```
function getElevation(event) {

    var locations = [];

    // Retrieve the clicked location and push it on the array
    var clickedLocation = event.latLng;
    locations.push(clickedLocation);

    // Create a LocationElevationRequest object using the array's one value
    var positionalRequest = {
        'locations': locations
    }

    // Initiate the location request
    elevator.getElevationForLocations(positionalRequest, function(results, status) {
        if (status == google.maps.ElevationStatus.OK) {

            // Retrieve the first result
            if (results[0]) {

                // Open an info window indicating the elevation at the clicked position
                infowindow.setContent('The elevation at this point <br>is ' + results[0].elevation + ' meters
                .');
                infowindow.setPosition(clickedLocation);
                infowindow.open(map);
            } else {
                alert('No results found');
            }
        } else {
            alert('Elevation service failed due to: ' + status);
        }
    });
}

google.maps.event.addDomListener(window, 'load', initialize);
```

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