

# Encoding methods



Encoding:

View this example [full screen](#).

JavaScript

JavaScript + HTML

```
var poly;

function initialize() {
  var mapOptions = {
    zoom: 14,
    center: new google.maps.LatLng(34.3664951, -89.5192484)
  };

  var map = new google.maps.Map(document.getElementById('map-canvas'),
    mapOptions);

  var polyOptions = {
    strokeColor: '#000000',
    strokeOpacity: 1.0,
    strokeWeight: 3,
    map: map
  };
  poly = new google.maps.Polyline(polyOptions);

  // Add a listener for the click event
```

```
google.maps.event.addListener(map, 'click', addLatLng);
}

/**
 * Handles click events on a map, and adds a new point to the Polyline.
 * Updates the encoding text area with the path's encoded values.
 */
function addLatLng(event) {
  var path = poly.getPath();
  // Because path is an MVCArray, we can simply append a new coordinate
  // and it will automatically appear
  path.push(event.latLng);

  // Update the text field to display the polyline encodings
  var encodeString = google.maps.geometry.encoding.encodePath(path);
  if (encodeString) {
    document.getElementById('encoded-polyline').value = encodeString;
  }
}

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

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