HERE Maps API - How to find the nearest Marker

This code example shows how to find the nearest `Marker` from any point on the map. The code is useful for finding the `Markers` that are located close to the user's current position or destination.

Introduction

This example demonstrates how to find the nearest map `Marker` from any point on the map. In the example there are five `Markers` on the Nokia Map and you can click anywhere on the map. Based on where you clicked, the script will calculate the distance to the `Marker` that is located closest to the point of your click. To display the result, the label `text` of the `Marker` is retrieved and shown on the page.

Example code

After setting up five markers, the code continues by adding a `click` event to the map.

```
function addClickEventListenerToMap(map){
 map.addListener("click", function(evt){
  var coords = map.pixelToGeo(evt.targetX , evt.targetY);
  findNearestMarker (coords);
 }, false);
}
```

The `findNearestMarker()` method iterates through each `marker` on the map and calculates the distance. The lowest distance so far is kept.

```
function findNearestMarker(coords) {
           var minDist = 1000;
           var nearest_text = "*None*";
           for (i=0; i< map.objects.getLength(); i++)
           {
            if ( map.objects.get(i) instanceof nokia.maps.map.StandardMarker ) {
             var markerDist  =  map.objects.get(i).coordinate.distance(coords);
             if (markerDist < minDist) {
                       minDist = markerDist;
                       nearest_text = map.objects.get(i).text
             }
          }
        }

alert (nearest_text);
}
```


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The fully working example can be found at:

http://heremaps.github.io/examples/examples.html#find-nearest-marker

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