

```

1  /* This is the callback function from my journey page. Inside the function, I call google.
2  the div where I want to store the map */
3  function initMap() {
4      var map = new google.maps.Map(document.getElementById("map"), {
5          zoom: 3,
6          center: {
7              lat: -4.910663558482745,
8              lng: 76.22682992146508
9          }
10     });
11
12     var labels = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";
13
14
15     var locations = [
16
17         {
18             "name": "Telfar desert",
19             "location": {lat: -19.57812261652015 ,lng: 124.86706846177987},
20             "info": 'Telfer is a minesite in the Pilbara region of Western Australia, with
21         },
22
23         {
24             "name": "Sydney",
25             "location": {lat: -33.77692520809179 , lng: 151.1873731660845},
26             "info": 'Sydney is the capital city of the state of New South Wales, and the m
27         },
28
29         {
30             "name": "Dhaka",
31             "location": {lat: 24.193990229745815 , lng: 90.35240665248416 },
32             "info": 'Dhaka , formerly known as Dacca , is the capital and the largest city
33         },
34
35         {
36             "name": "Pathum",
37             "location": {lat: 14.003209207073002 , lng: 100.55037744706993},
38             "info": 'Pathum Thani is one of the central provinces (changwat) of Thailand.
39         },
40
41         {
42             "name": "Phnom Penh",
43             "location": {lat:11.568271, lng:104.9224426},
44             "info": 'Phnom Penh is the capital and most populous city in Cambodia. It has b
45         },
46
47         {
48             "name": "Chai Badan",
49             "location": {lat: 15.364740116588298 , lng:101.34307362392626},
50             "info": 'Chai Badan (Thai: ชัยบาดาล, pronounced [t͡ɕʰāj bāː.dāːn]) is a district

```

CONFIGURE

Metrics

There are 3 functions in this file.

Function with the largest signature take 2 arguments, while the median is 0.

Largest function has 8 statements in it, while the median is 7.

The most complex function has a cyclomatic complexity value of 4 while the median is 2.



version 2.12.0

(<https://github.com/jshint/jshint>)

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Seven warnings

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138 Functions declared within loops referencing an outer scoped variable may lead to confusing semantics. (infowindow, locations, marker, google, map)

Two undefined variables

```

48     },
49     {
50       "name": "Pattaya city",
51       "location": {lat: 13.216440374935782 , lng:100.70613585917654},
52       "info": 'Pattaya (Thai: พัทยา, RTGS: Phatthaya, pronounced [pʰát.tʰā.jā:] (About this soundlisten)), officially the R
53     },
54   },
55   {
56     "name": "Ho Chi Minh",
57     "location": {lat: 10.976284480395805 , lng:106.6353360126606614},
58     "info": 'Ho Chi Minh City, commonly known by its previous name, Saigon , is th
59   },
60   },
61   {
62     "name": "Hanoi",
63     "location": {lat: 21.149082902726203, lng:105.7722216615003},
64     "info": 'Hanoi is the capital city of Vietnam. It covers an area of 3,358.6 km
65   },
66   {
67     "name": "Vientiane",
68     "location": {lat:18.029586520737347, lng: 102.76376157711208},
69     "info": 'Vientiane (/viˌɛntiˈɑːn/ vi-EN-ti-AHN,[3] French: [vjɛ̃tjan]; Lao: ວຽງ
70   },
71   },
72   {
73     "name": "Singapore",
74     "location": {lat:1.0112724590492967 , lng:103.86830097937286},
75     "info": 'Singapore (/ˈsɪŋ(g)əpɔːr/ (About this soundlisten)), officially the R
76   },
77   },
78   {
79     "name": "Kuala Lumpur",
80     "location": {lat:2.92167900574171 , lng:102.02259781181232},
81     "info": 'Kuala Lumpur officially the Federal Territory of Kuala Lumpur, is a f
82   },
83   {
84     "name": "Marrakesh",
85     "location": {lat:31.403279042074054, lng:-7.929367287089918},
86     "info": 'Marrakesh is the fourth largest city in the Kingdom of Morocco.[3] It
87   },
88   {
89     "name": "Rabat",
90     "location": {lat:34.46392760227769 , lng:-6.962570389796287},
91     "info": 'Rabat is the capital city of Morocco and the country seventh largest
92   },
93   {
94     "name": "Fez",
95     "location": {lat:34.27938326164539 , lng:-5.003541769082469},
96     "info": 'Fez is a city in northern Morocco and the capital of the Fès-Meknès a

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```

97     },
98
99     { "name": "Essaouira",
100       "location": {lat:31.675826272098792 , lng:-9.705869121505495},
101       "info": 'Essaouira has long been considered as one of the best anchorages of th
102     },
103
104
105
106     { "name": "Newcastle",
107       "location":{lat:54.988359623084435 , lng:-1.6172430260601416},
108       "info": 'Newcastle upon Tyne often simply Newcastle, is the most populous city
109     },
110
111     { "name": "London",
112       "location":{lat:51.55865338876702 , lng:-0.20415542101612708},
113       "info": 'London is the capital and largest city of England and the United King
114     }
115   ];
116
117
118
119
120
121
122
123
124   // The .map method works like a for loop and returns the position with the location and th
125
126   var markers = locations.map(function (location, i) {
127     return new google.maps.Marker({
128       position: location.location,
129       label: labels[i % labels.length],
130       title: location.name
131     });
132   });
133
134   //The infowindow method help to display a content regarding the location//
135   let infowindow;
136
137   for (let marker of markers) {
138     marker.addListener("click", () => {
139       if(infowindow){
140         infowindow.close();
141       }
142       for(let location of locations) {
143         console.log(location.name);
144         if(marker.title === location.name){
145           // create an infoWindow using location.name

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```

146         infowindow = new google.maps.InfoWindow({
147             content: location.info
148         });
149         // display the infowindow
150         infowindow.open(map, marker);
151     }
152 }
153 });
154 }
155
156
157 var markerclusterer = new MarkerClusterer(map, markers, {
158     imagePath: "https://developers.google.com/maps/documentation/javascript/examples/m
159 });
160 }

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