

```
1: <!--
2:
3: map1.html
4:
5: Demonstrates a "hello, world" of maps.
6:
7: Computer Science E-75
8: David J. Malan
9:
10: -->
11:
12:
13: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
14:   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
15:
16: <html xmlns="http://www.w3.org/1999/xhtml">
17:   <head>
18:     <script src="http://maps.google.com/maps?file=api&v=2&key=ABQIAAAA8igYd929VTmOEMLNjNyPlxSEzimNlTbhQux6D
dlpeYjpW-7jNBQ_Jw6QrcRe8luNU5b6imhn7Pc7kg&sensor=false" type="text/javascript"></script>
19:     <script type="text/javascript">
20:       //
21:
22:         function load()
23:         {
24:           if (GBrowserIsCompatible())
25:           {
26:             var map = new GMap2(document.getElementById("map"));
27:             map.setCenter(new GLatLng(37.4419, -122.1419), 13);
28:           }
29:         }
30:
31:       //]]&gt;
32:     &lt;/script&gt;
33:     &lt;title&gt;&lt;/title&gt;
34:   &lt;/head&gt;
35:   &lt;body onload="load()" onunload="GUnload()"&gt;
36:     &lt;div id="map" style="width: 800px; height: 500px"&gt;&lt;/div&gt;
37:   &lt;/body&gt;
38: &lt;/html&gt;
39:</pre></div>
```

```
1: <!--
2:
3: map2.html
4:
5: Demonstrates map that fills the viewport using CSS.
6:
7: Computer Science E-75
8: David J. Malan
9:
10: -->
11:
12:
13: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
14:   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
15:
16: <html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
17:   <head>
18:     <script src="http://maps.google.com/maps?file=api&v=2&key=ABQIAAAA8igYd929VTmOEMLNjNyPlxSEziMNlTbhQux6D
dlpeYjpW-7jNBQ_Jw6QrcRe8luNU5b6imhn7Pc7kg&sensor=false" type="text/javascript"></script>
19:     <script type="text/javascript">
20:       //
21:
22:         function load()
23:         {
24:           if (GBrowserIsCompatible())
25:           {
26:             var map = new GMap2(document.getElementById("map"));
27:             map.setCenter(new GLatLng(37.4419, -122.1419), 13);
28:           }
29:         }
30:
31:       //]]&gt;
32:     &lt;/script&gt;
33:     &lt;title&gt;&lt;/title&gt;
34:   &lt;/head&gt;
35:   &lt;body onload="load()" onunload="GUnload()" style="height: 100%; margin: 0px;"&gt;
36:     &lt;div id="map" style="height: 100%; width: 100%;"&gt;&lt;/div&gt;
37:   &lt;/body&gt;
38: &lt;/html&gt;
39:</pre></div>
```

```
1: <!--
2:
3: map3.html
4:
5: Demonstrates map with controls.
6:
7: Computer Science E-75
8: David J. Malan
9:
10: -->
11:
12:
13: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
14:   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
15:
16: <html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
17:   <head>
18:     <script src="http://maps.google.com/maps?file=api&v=2&key=ABQIAAAA8igYd929VTmOEMLNjNyPlxSEzimNlTbhQux6D
dlpeYjpW-7jNBQ_Jw6QrcRe8luNU5b6imhn7Pc7kg&sensor=false" type="text/javascript"></script>
19:     <script type="text/javascript">
20:       //
21:
22:         function load()
23:         {
24:           if (GBrowserIsCompatible())
25:           {
26:             // instantiate map
27:             var map = new GMap2(document.getElementById("map"));
28:
29:             // center map on Science Center
30:             map.setCenter(new GLatLng(42.376649, -71.115789), 13);
31:
32:             // add control using a local variable
33:             var typeControl = new GMapTypeControl();
34:             map.addControl(typeControl);
35:
36:             // add another control without using a local variable
37:             map.addControl(new GLargeMapControl());
38:
39:             // enable scroll wheel and smooth zooming
40:             map.enableScrollWheelZoom();
41:             map.enableContinuousZoom();
42:           }
43:         }
44:
45:       //]]&gt;
46:     &lt;/script&gt;</pre></div>
```

```
47:     <title></title>
48:   </head>
49:   <body onload="load()" onunload="GUnload()" style="height: 100%; margin: 0px;">
50:     <div id="map" style="height: 100%; width: 100%;"></div>
51:   </body>
52: </html>
53:
```

```
1: <!--
2:
3: map4.html
4:
5: Demonstrates map with marker and info window.
6:
7: Computer Science E-75
8: David J. Malan
9:
10: -->
11:
12:
13: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
14:   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
15:
16: <html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
17:   <head>
18:     <script src="http://maps.google.com/maps?file=api&v=2&key=ABQIAAAA8igYd929VTmOEMLNjNyPlxSEziMNlTbhQux6D
dlpeYjpW-7jNBQ_Jw6QrcRe8luNU5b6imhn7Pc7kg&sensor=false" type="text/javascript"></script>
19:     <script type="text/javascript">
20:       //
21:
22:         function load()
23:         {
24:           if (GBrowserIsCompatible())
25:           {
26:             // instantiate map
27:             var map = new GMap2(document.getElementById("map"));
28:
29:             // prepare point
30:             var point = new GLatLng(42.376649, -71.115789);
31:
32:             // center map on Science Center
33:             map.setCenter(point, 13);
34:
35:             // mark Science Center
36:             var marker = new GMarker(point);
37:             map.addOverlay(marker);
38:
39:             // associate info window with marker
40:             GEvent.addListener(marker, "click", function() {
41:
42:               // prepare XHTML
43:               var xhtml = "&lt;b&gt;Science Center&lt;/b&gt;";
44:               xhtml += "&lt;br /&gt;&lt;br /&gt;";
45:               xhtml += "&lt;a href='http://en.wikipedia.org/wiki/Harvard_Science_Center' target='_blank'&gt;";
46:               xhtml += "http://en.wikipedia.org/wiki/Harvard_Science_Center";</pre></div>
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```
47:                xhtml += "</a>";
48:
49:                // open info window
50:                map.openInfoWindowHtml(point, xhtml);
51:
52:            });
53:
54:        }
55:    }
56:
57:    //]]>
58:    </script>
59:    <title></title>
60:    </head>
61:    <body onload="load()" onunload="GUnload()" style="height: 100%; margin: 0px;">
62:        <div id="map" style="height: 100%; width: 100%;"></div>
63:    </body>
64: </html>
65:
```

```
1: <!--
2:
3: map5.html
4:
5: Demonstrates map with marker and info window.
6:
7: Also demonstrates Ajax via Google's GXmlHttp factory.
8:
9: Computer Science E-75
10: David J. Malan
11:
12: -->
13:
14:
15: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
16:   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
17:
18: <html xmlns="http://www.w3.org/1999/xhtml" style="height: 100%;">
19:   <head>
20:     <script src="http://maps.google.com/maps?file=api&v=2&key=ABQIAAAA8igYd929VTmOEMLNjNyPlxSEziMNlTbhQux6D
dlpeYjpW-7jNBQ_Jw6QrcRe8luNU5b6imhn7Pc7kg&sensor=false" type="text/javascript"></script>
21:     <script type="text/javascript">
22:       //<![CDATA[
23:
24:         function load()
25:         {
26:           if (GBrowserIsCompatible())
27:           {
28:             // instantiate map
29:             var map = new GMap2(document.getElementById("map"));
30:
31:             // prepare point
32:             var point = new GLatLng(37.4419, -122.1419);
33:
34:             // center map on Science Center
35:             map.setCenter(point, 13);
36:
37:             // mark Science Center
38:             var marker = new GMarker(point);
39:             map.addOverlay(marker);
40:
41:             // associate info window with marker
42:             GEvent.addListener(marker, "click", function() {
43:
44:               // prepare Ajax call
45:               var request = GXmlHttp.create();
46:               request.open("GET", "quote3.php?symbols=GOOG", true);
```

```
47:         request.onreadystatechange = function() {
48:
49:             // only handle successful calls
50:             if (request.readyState == 4 && request.status == 200)
51:             {
52:                 // prepare XHTML
53:                 var xhtml = "<b>Google</b>";
54:                 xhtml += "<br /><br />";
55:
56:                 // get Google's quote
57:                 var quote = request.responseXML.getElementsByTagName("quote")[0];
58:
59:                 // get Google's price
60:                 var price = quote.getElementsByTagName("price")[0].firstChild.nodeValue;
61:
62:                 // report price
63:                 xhtml += "$" + price;
64:
65:                 // open info window
66:                 map.openInfoWindowHtml(point, xhtml);
67:             }
68:         };
69:
70:         // get quote
71:         request.send(null);
72:
73:     });
74:
75:     }
76: }
77:
78: //]]>
79: </script>
80: <title></title>
81: </head>
82: <body onload="load()" onunload="GUnload()" style="height: 100%; margin: 0px;">
83:     <div id="map" style="height: 100%; width: 100%;"></div>
84: </body>
85: </html>
86:
```