

```
1  <!DOCTYPE html>
2
3  <html>
4  <head>
5      <meta charset="utf-8">
6      <title>Experimenting with Arrays</title>
7      <script type="text/javascript">
8          var mixedArray = [1, "Tom", 2, "Bill"];
9
10         function arrayToString( anyArray ) {
11             var arrayString = "[";
12             /* ask what this for-loop actually does ...*/
13             for( var index = 0; index < anyArray.length - 1; index++ ) {
14
15                 arrayString += anyArray[ index ] + ", ";
16             }
17             /* Note: the "last" element of any non-empty array is the le
18             ngth of the array
19             * minus 1. Make sure you know why.
20             */
21             return arrayString += anyArray[ anyArray.length - 1 ] + "]";
22         }
23         window.alert( "The stringified version of our mixed array is " +
24             arrayToString( mixedArray));
25
26         function describeArray( anyArray ) {
27             var size = anyArray.length;
28             var description = "The size of this array is " + size + "\n"
29             ;
30             for( var index=0; index < size; index++ ) {
31                 var typeName = typeof( anyArray[ index ] );
32                 var value = anyArray[ index ];
33                 description += "\tThe type of element at index " + index
34                 + " is " + typeName + ", and its value is " + value + "\n";
35             }
36             return description;
37         }
38         window.alert("And a detailed description of this array is\n " +
39             describeArray( mixedArray));
40     </script>
41 </head>
42 <body>
43
44
45
46 </body>
47 </html>
```