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1 // JavaScript Document
2
3 /*****
4
5  CONSOLE CODE: Gets game list from NFL schedule page code
6  and formats it as an array
7
8  Based on:
9  http://dangoldin.com/2013/08/26/extract-info-from-a-web-page-using-javascript/
10
11  teams = document.getElementsByClassName("team-name")
12
13  for (var i = 0; i < teams.length; i++) {
14      console.log( teams[i].textContent );
15  }
16
17  JavaScript REGEX Search and Replace Notes
18  https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Regular_Expressions
19  http://stackoverflow.com/questions/19801351/what-is-a-regular-expression-for-removing-spaces-between-uppercase-letters-but
20
21  2-3 letter team codes
22  Find a space followed by 2 or 3 uppercase letters = code
23
24  if code == NYJ, replace with "Jets"
25  if code == NYG, replace with "Giants"
26  else delete 2-3 letters and their leading space
27
28  Defining JavaScript regular expressions:
29
30  var re = /pattern/flags; or
31  var re = new RegExp("pattern", flags);
32
33  /*****
34
35  // Create an array of team names from web page
36  // Class name refers to the class used by the page to designate the game listings
37  // and is found by looking through the page HTML using Firebug/developer tools
38  teams = document.getElementsByClassName("team-name")
39
40  // Identify team codes using regular expressions
41  var rexp = new RegExp( "[A-Z]{2,3}" )
42
43  // adds first part of output formatting for gameList array
44  console.log( 'var gameList = [ ' );
45
46  // for statement cycles through each value in the teams array
47  for(var i = 0; i < teams.length; i++) {
48
49      // Gets the team name from the teams array
50      team = teams[i].textContent;
51
52      //Gets the 2-3 letter team code, but the result is an array such as [ 'A', 'T', 'L' ]
53      code = rexp.exec( team );
54
55      // Convert the team code from an array of letters to text - above become 'ATL'
56      code.toString();
57
58      // NY Giants and NY Jets
59      if( code == " NYG" ){team = team.replace( rexp, " Giants");}
60      else if( code == " NYJ" ){team = team.replace( rexp, " Jets");}
61      // Deletes 2-3 letter code
62      else {team = team.replace( rexp, "");}
63
64      //Add quotes and commas between gameList array values
65      if( i < teams.length-1 ){ console.log( '    ', team, ',' );}
66      else { console.log( '    ', team, '' );}
67  }
68
69  //Close out gameList array
70  console.log( ' ];' );
71
72
73

```