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1  /*-----
2  * Author:      Dan Cassidy
3  * Date:        2015-06-17
4  * Assignment:  cView-P3
5  * Source File: SimpleConvert.cs
6  * Language:    C#
7  * Course:      CSCI-C 490, C# Programming, MoWe 08:00
8  * Purpose:     Provides some simplified variants of some Convert methods.
9  *-----*/
10
11 using System;
12 using System.Collections.Generic;
13 using System.Linq;
14 using System.Text;
15 using System.Threading.Tasks;
16
17 namespace Ph3
18 {
19     public static class SimpleConvert
20     {
21         /*-----
22         * Name:      ToDateTime
23         * Type:      Method
24         * Purpose: Attempts to convert the given parameter, but returns the default object value if
25         *           it fails for any reason.
26         * Input:    string value, containing the value on which conversion will be attempted.
27         * Output:   DateTime object representing either the converted value or the default DateTime.
28         *-----*/
29         public static DateTime ToDateTime(string value)
30         {
31             try
32             {
33                 return Convert.ToDateTime(value);
34             }
35             catch
36             {
37                 return default(DateTime);
38             }
39         }
40
41         /*-----
42         * Name:      ToInt32
43         * Type:      Method
44         * Purpose: Attempts to convert the given parameter, but returns the default object value if
45         *           it fails for any reason.
46         * Input:    string value, containing the value on which conversion will be attempted.
47         * Output:   int object representing either the converted value or the default int.
48         *-----*/
49         public static int ToInt32(string value)
50         {
51             try
52             {
53                 return Convert.ToInt32(value);
54             }
55             catch
56             {
57                 return default(int);
58             }
59         }
60
61         /*-----
62         * Name:      ToSingle
63         * Type:      Method
64         * Purpose: Attempts to convert the given parameter, but returns the default object value if
65         *           it fails for any reason.
66         * Input:    string value, containing the value on which conversion will be attempted.
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67      * Output: float object representing either the converted value or the default float.
68      -----*/
69      public static float ToSingle(string value)
70      {
71          try
72          {
73              return Convert.ToSingle(value);
74          }
75          catch
76          {
77              return default(float);
78          }
79      }
80  }
81 }
82
```