

```
1 using System;
2 public class GenMethods
3 {
4     //method can operate on multiple data types
5     public static void Swap<T>(ref T x, ref T y)
6     {
7         T temp = x; //save x
8         x = y; //assign y to x
9         y = temp; //assign original value of x back to y
10    }
11    //this function has a constraint, so it can operate on values
12    //that can be compared
13    public static string Compare<T>(T x, T y) where T :IComparable
14    {
15        //CompareTo returns < 0, =0, or >0, depending on the relationship
16        //between x and y
17        if(x.CompareTo(y)<0)
18        {
19            return $"<br>{x}<{y}";
20        }
21        else
22        {
23            return $"<br>{x}>{y}";
24        }
25    }
26 }
27
```