

Demonstrate a generic method



```
using System;

class ArrayUtils {

    public static bool copyInsert(T e, int idx, T[] src, T[]
target) {

        if(target.Length < src.Length+1) return false; for(int i=0,
j=0; i < src.Length; i++, j++) { if(i == idx) { target[j] = e;
j++; } target[j] = src[i]; } return true; } } class Test {
    public static void Main() { int[] nums = { 1, 2, 3 }; int[]
nums2 = new int[4]; Console.Write("Contents of nums: ");
foreach(int x in nums) Console.Write(x + " ");
Console.WriteLine(); ArrayUtils.copyInsert(99, 2, nums,
nums2); Console.Write("Contents of nums2: ");
foreach(int x in nums2) Console.Write(x + " ");
Console.WriteLine(); string[] strs = { "Generics", "are",
"powerful."}; string[] strs2 = new string[4];
Console.Write("Contents of strs: ");
foreach(string s in strs) Console.Write(s + " ");
Console.WriteLine(); ArrayUtils.copyInsert("in C#", 1, strs,
strs2); Console.Write("Contents of strs2: ");
foreach(string s in strs2) Console.Write(s + " ");
} } [/csharp]
```