Unsafe code: copy

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/*
C# Programming Tips & Techniques
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*/
namespace nsType
{
using System;

public class IntCopy
{
public static void Main ()
{
int [] arr1 = new int[] {1, 4, 2, 8, 5, 7};
int [] arr2 = new int[arr1.Length];
MemCpy (arr2, arr1, arr1.Length);
arr1[0] = 142857;
for (int x = 0; x < arr1.Length; ++x) { Console.Write
("arr1[{0}] = {1} ", x, arr1[x]); Console.Write ("arr2[{0}] =
{1} ", x, arr2[x]); } } static unsafe public void MemCpy (int
[] dst, int [] src, int size) { if ((size > dst.Length) ||
(size > src.Length))
{
ArgumentException e = new ArgumentException("The size argument
is too large for one of the array arguments");
throw (e);
}
fixed (int *Src = src, Dst = dst)
{
int* pSrc = Src;
int* pDst = Dst;
for (int n = 0; n < size; ++n) { *pDst++ = *pSrc++; } } } } }
```

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[/csharp]
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