

Using Exception members

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/*
C#: The Complete Reference
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*/

// Using Exception members.

using System;

class ExcTest {
public static void genException() {
int[] nums = new int[4];

Console.WriteLine("Before exception is generated.");

// Generate an index out-of-bounds exception.
for(int i=0; i < 10; i++) { nums[i] = i;
Console.WriteLine("nums[{0}]: {1}", i, nums[i]); }
Console.WriteLine("this won't be displayed"); } } public class
UseExcept { public static void Main() { try {
ExcTest.genException(); } catch (IndexOutOfRangeException exc)
{ // catch the exception Console.WriteLine("Standard message
is: "); Console.WriteLine(exc); // calls ToString()
Console.WriteLine("Stack trace: " + exc.StackTrace);
Console.WriteLine("Message: " + exc.Message);
Console.WriteLine("TargetSite: " + exc.TargetSite); }
Console.WriteLine("After catch statement."); } } [/csharp]
```