

Derived exceptions must appear before base class exceptions

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/*
C#: The Complete Reference
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*/

// Derived exceptions must appear before base class
exceptions.

using System;

// Create an exception.
class ExceptA : ApplicationException {
public ExceptA() : base() { }
public ExceptA(string str) : base(str) { }

public override string ToString() {
return Message;
}
}

// Create an exception derived from ExceptA
class ExceptB : ExceptA {
public ExceptB() : base() { }
public ExceptB(string str) : base(str) { }

public override string ToString() {
return Message;
}
}
```

```
public class OrderMatters {
public static void Main() {
for(int x = 0; x < 3; x++) { try { if(x==0) throw new
ExceptA("Caught an ExceptA exception"); else if(x==1) throw
new ExceptB("Caught an ExceptB exception"); else throw new
Exception(); } catch (ExceptB exc) { // catch the exception
Console.WriteLine(exc); } catch (ExceptA exc) { // catch the
exception Console.WriteLine(exc); } catch (Exception exc) {
Console.WriteLine(exc); } } } } [/csharp]
```