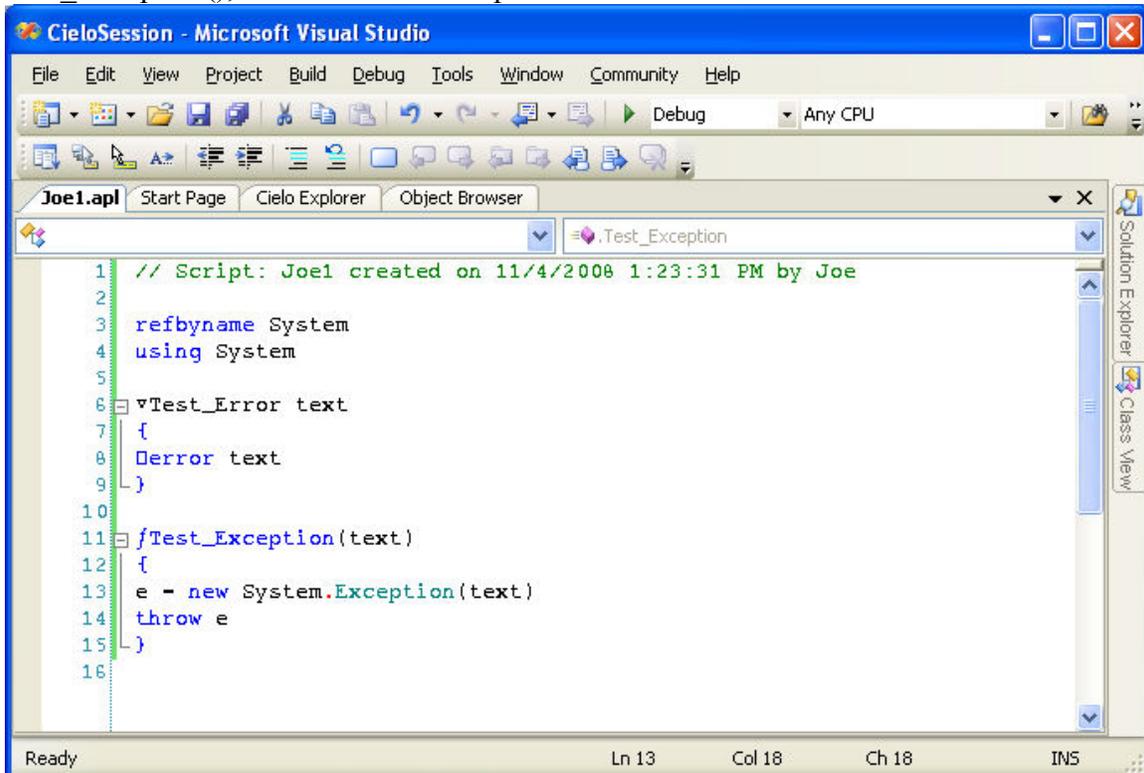


## Creating a 'Custom Exception' in VisualAPL

Sometimes it is desirable to present a custom error message and pass the error message out to the calling environment.

In VisualAPL, the []error syntax is available. For example, it is used in the Test\_Error APL-syntax function, Test\_Error, in the Joel script illustrated here. In addition the .Net Exception class is also available and that is illustrated in the C#-format function, Test\_Exception(), also in the Joel script.

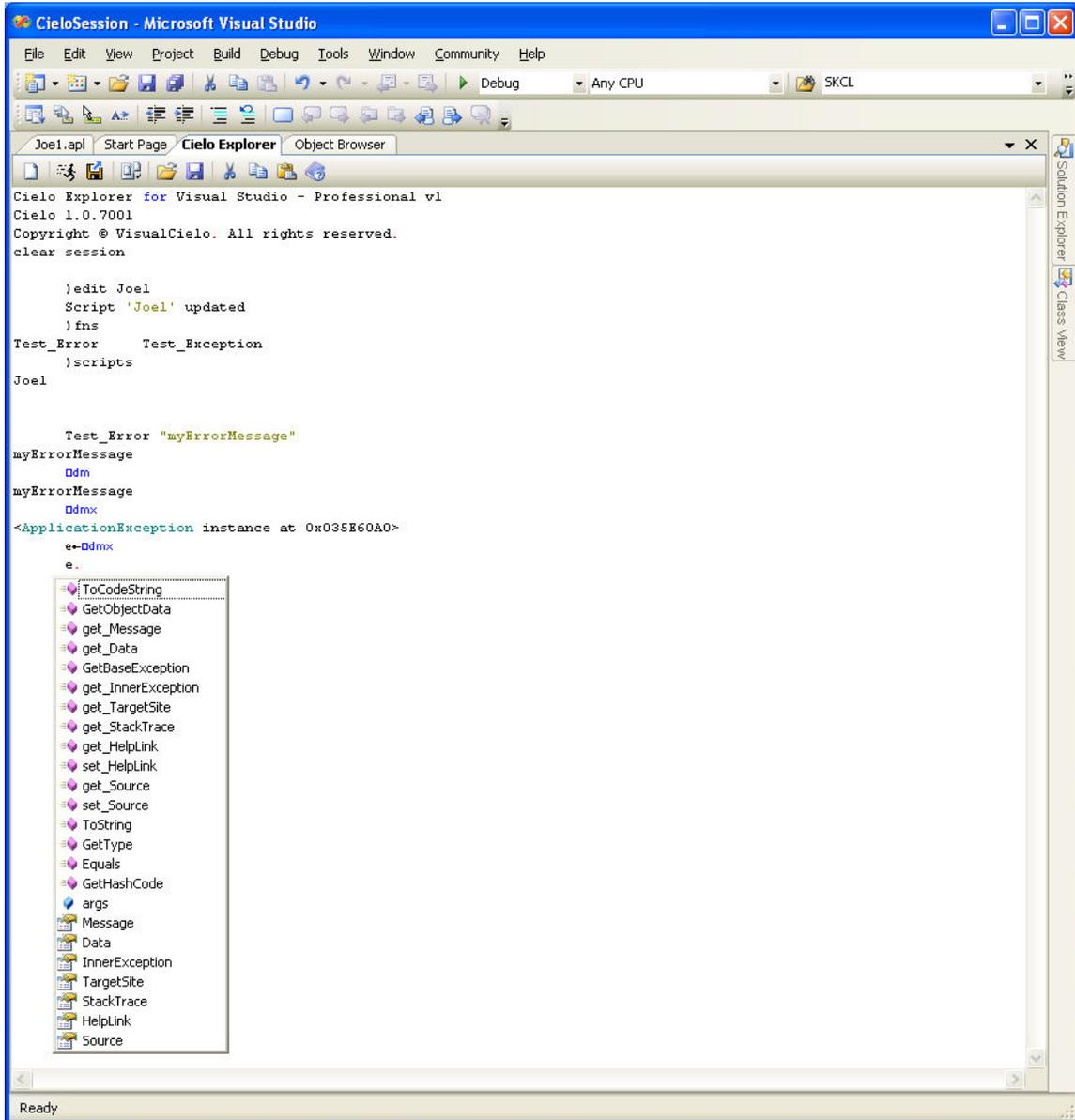


The screenshot shows the Microsoft Visual Studio IDE with the following code in the main editor window:

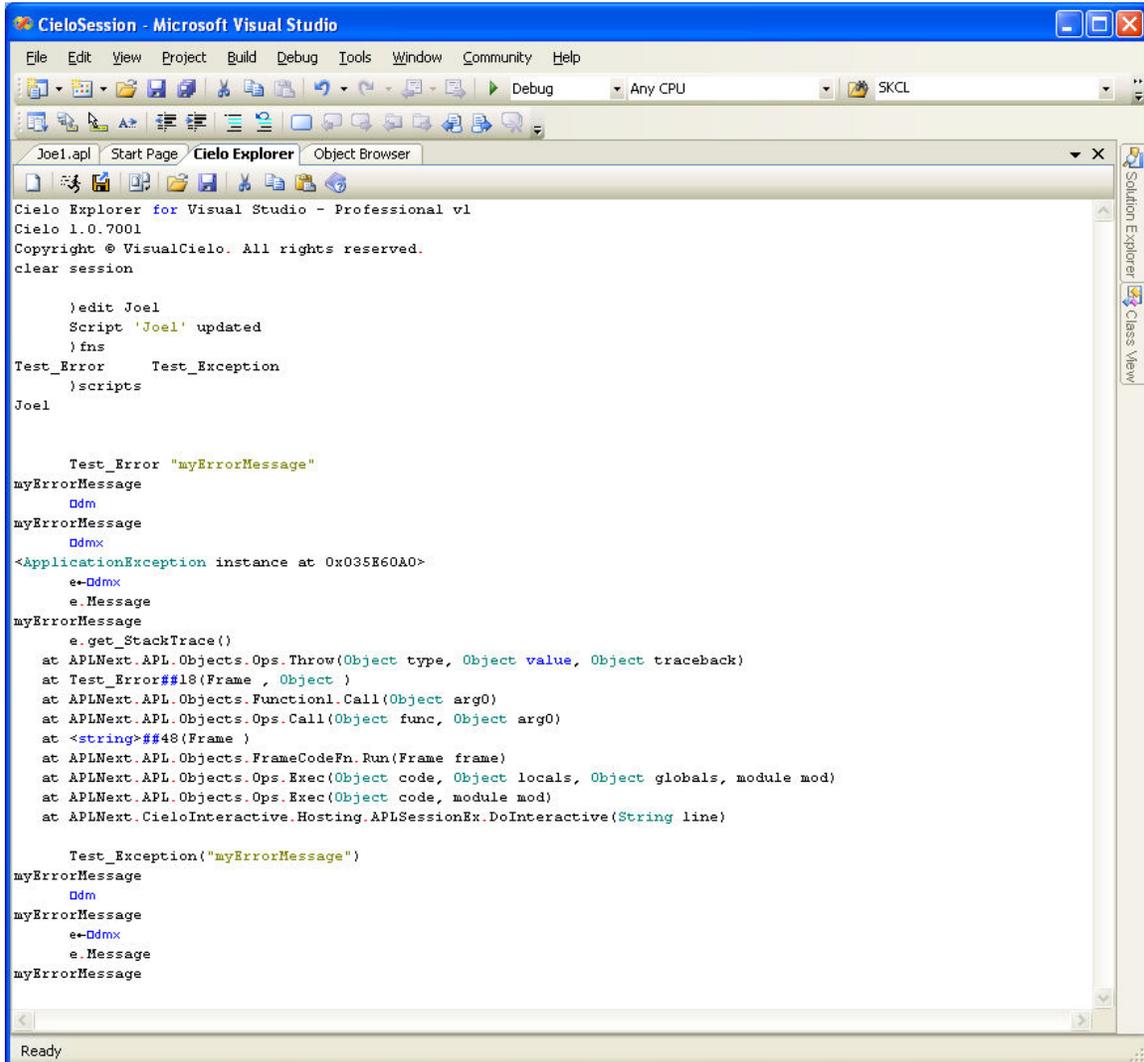
```
1 // Script: Joel1 created on 11/4/2008 1:23:31 PM by Joe
2
3 refbyname System
4 using System
5
6 ▾ Test_Error text
7 {
8   Derror text
9 }
10
11 ▾ fTest_Exception(text)
12 {
13   e = new System.Exception(text)
14   throw e
15 }
16
```

The status bar at the bottom indicates: Ready, Ln 13, Col 18, Ch 18, INS.

Executing Test\_Error results in the custom error message as expected. This can be captured by using []dm. The .Net-extended []dmx can also be captured and provides additional information, if desired.



Executing the Test\_Exception() function also results in the custom error message and it can also be captured using []dm and []dmx.



```
Joel1.apl | Start Page | Cielo Explorer | Object Browser
Cielo Explorer for Visual Studio - Professional v1
Cielo 1.0.7001
Copyright © VisualCielo. All rights reserved.
clear session

)edit Joel
Script 'Joel' updated
)fns
Test_Error Test_Exception
)scripts
Joel

Test_Error "myErrorMessage"
myErrorMessage
Ddm
myErrorMessage
Ddmx:
<ApplicationException instance at 0x035E60A0>
e-Ddmx
e.Message
myErrorMessage
e.get_StackTrace()
at APLNext.APL.Objects.Ops.Throw(Object type, Object value, Object traceback)
at Test_Error##18(Frame , Object )
at APLNext.APL.Objects.Function1.Call(Object arg0)
at APLNext.APL.Objects.Ops.Call(Object func, Object arg0)
at <string>##48(Frame )
at APLNext.APL.Objects.FrameCodeFn.Run(Frame frame)
at APLNext.APL.Objects.Ops.Exec(Object code, Object locals, Object globals, module mod)
at APLNext.APL.Objects.Ops.Exec(Object code, module mod)
at APLNext.CieloInteractive.Hosting.APLSessionEx.DoInteractive(String line)

Test_Exception("myErrorMessage")
myErrorMessage
Ddm
myErrorMessage
e-Ddmx
e.Message
myErrorMessage
```

Ready