

Module 6: Programming and Troubleshooting

Demo 3 – Solution

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Demo 3

- Learn how to handle any exceptions/errors like this.

Workflow Exception



debugging has thrown an exception

Source: Assign

Message: Input string was not in a correct format.

Exception Type: FormatException

System.FormatException: Input string was not in a correct format.

at System.Number.StringToNumber(String str, NumberStyles options, NumberBuffer& number, NumberFormatInfo info, Boolean parseDecimal)

at System.Number.ParseInt32(String s, NumberStyles style, NumberFormatInfo info)

at System.String.System.IConvertible.ToInt32(IFormatProvider provider)

at System.Convert.ToInt32(Object value)

at lambda_method(Closure , ActivityContext)

at Microsoft.VisualBasic.Activities.VisualBasicValue`1.Execute(CodeActivityContext context)

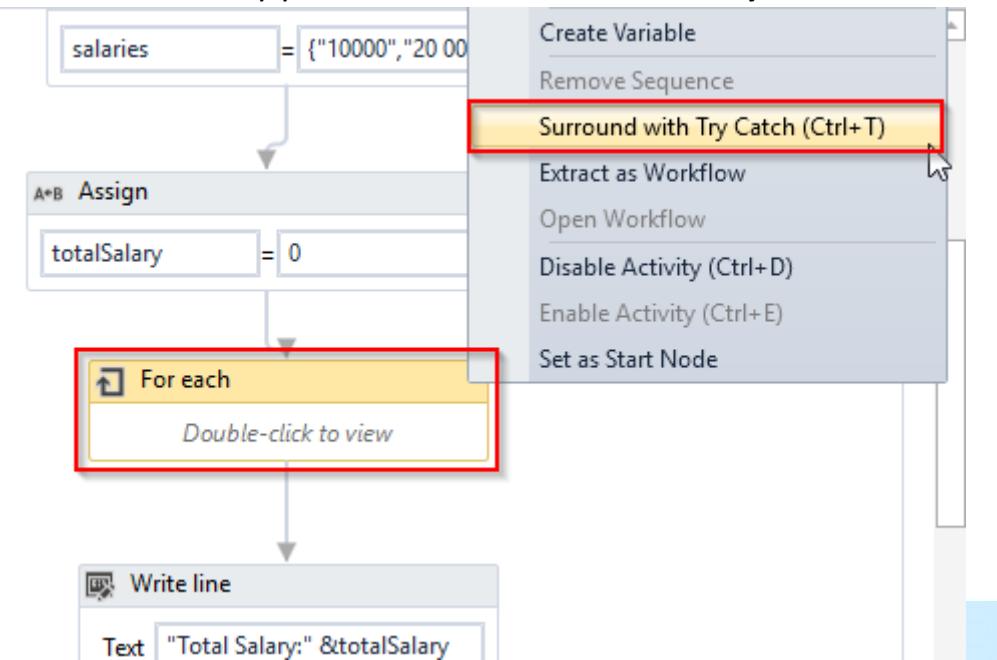
at System.Activities.CodeActivity`1.InternalExecuteInResolutionContext(CodeActivityContext context)

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Demo 3 – Solution

➤ **Step 1:** Once you have identified the faulty activity, surround it with a **Try Catch**

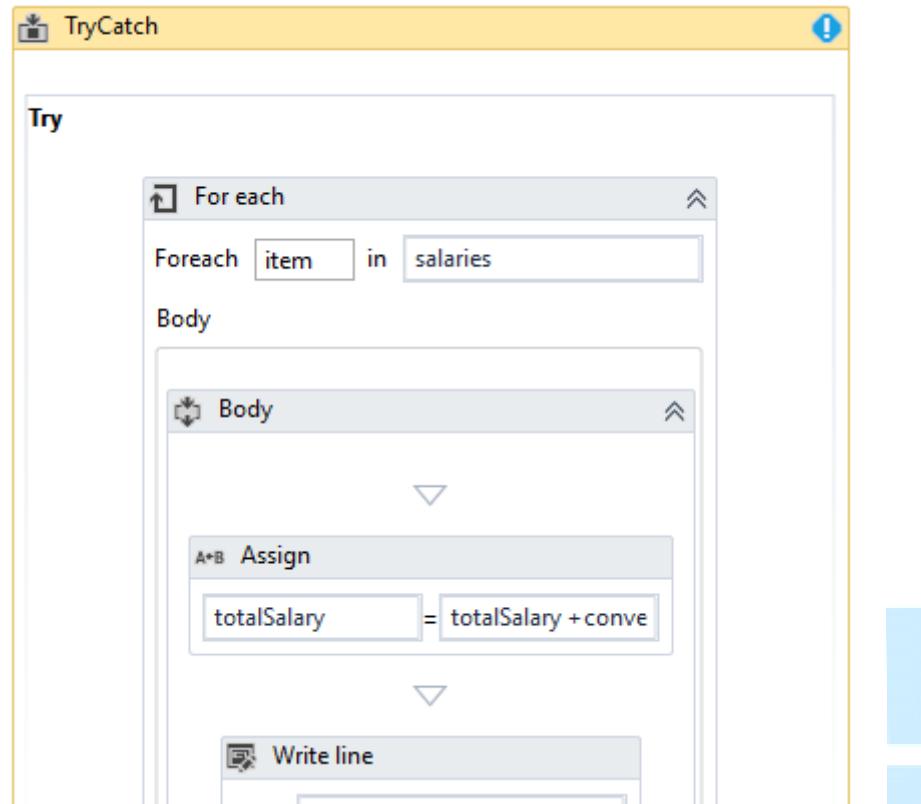
1. Right click on the activity you want to surround it with a **Try Catch**



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➤ **Step 2:** Double click on the activity you have surrounded with Try Catch.

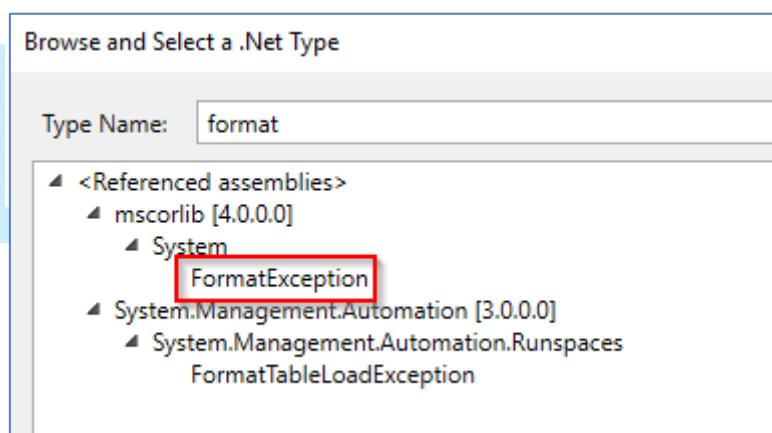
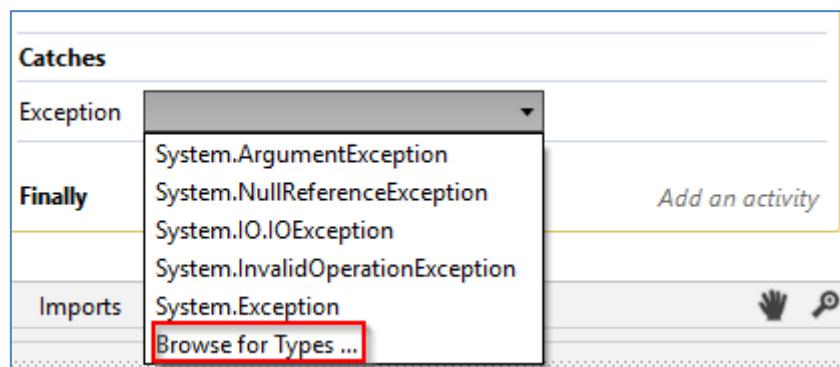
1. We have surrounded our **For each** activity with Try Catch because it is the **activity responsible for the Exception**
2. Double clicking on it looks like this:



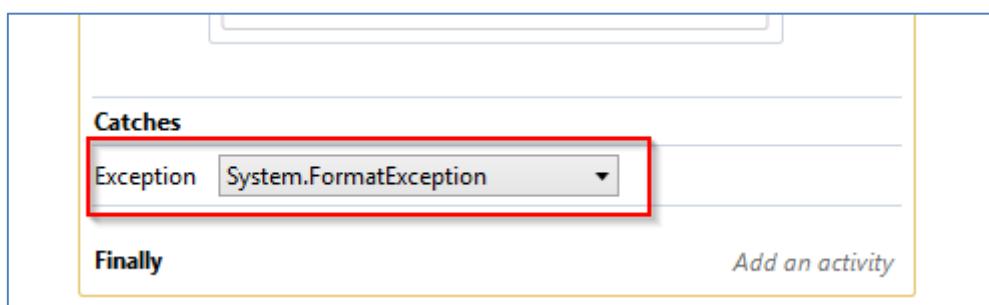
3. At the bottom we have a **Catch** block and a **Finally** block



4. Click on **Add a new catch** and from the drop down, select the type of exception you want to catch. Our program has “format” exception so we choose format exception type by browsing for it.



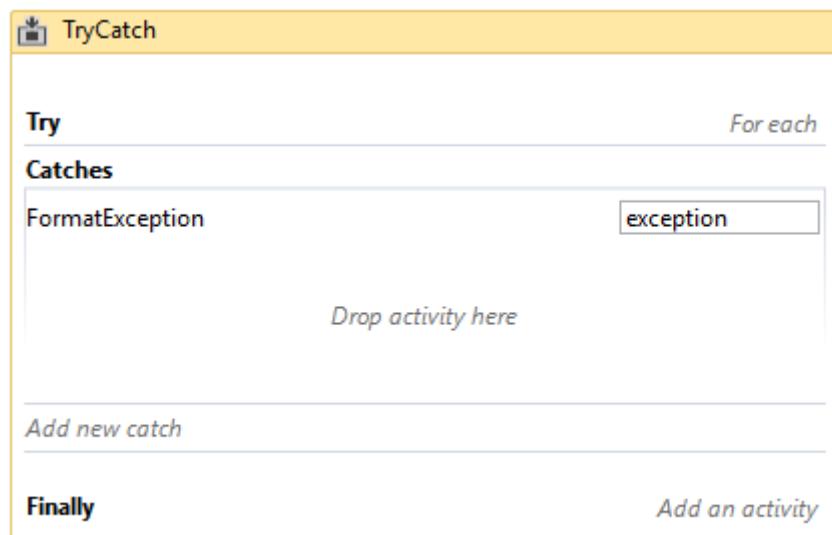
5. After selecting it, our Catch block looks like this:



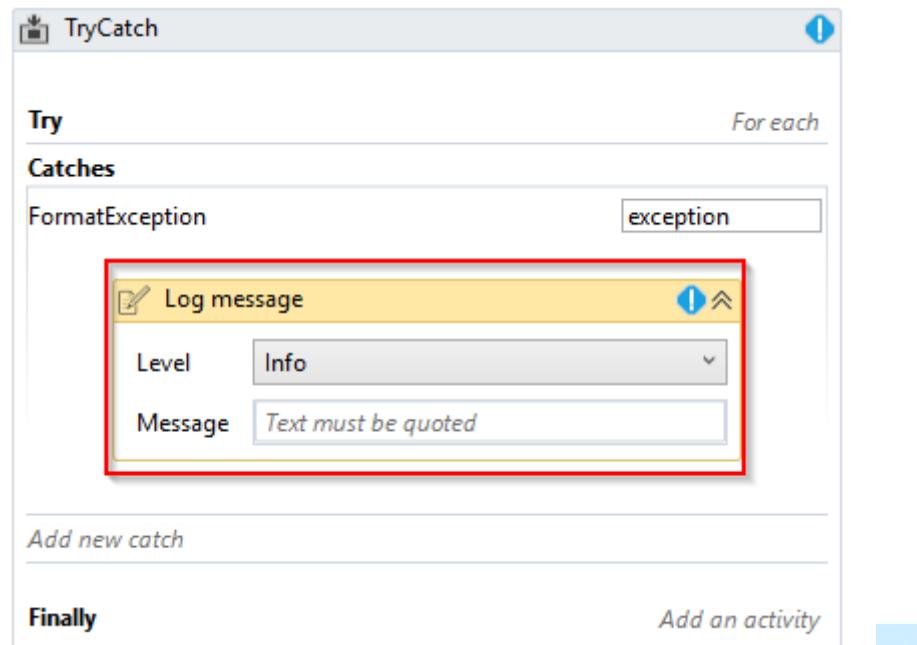
➤ Step 3: Now click on **Add an Activity**



1. You will get screen like this:

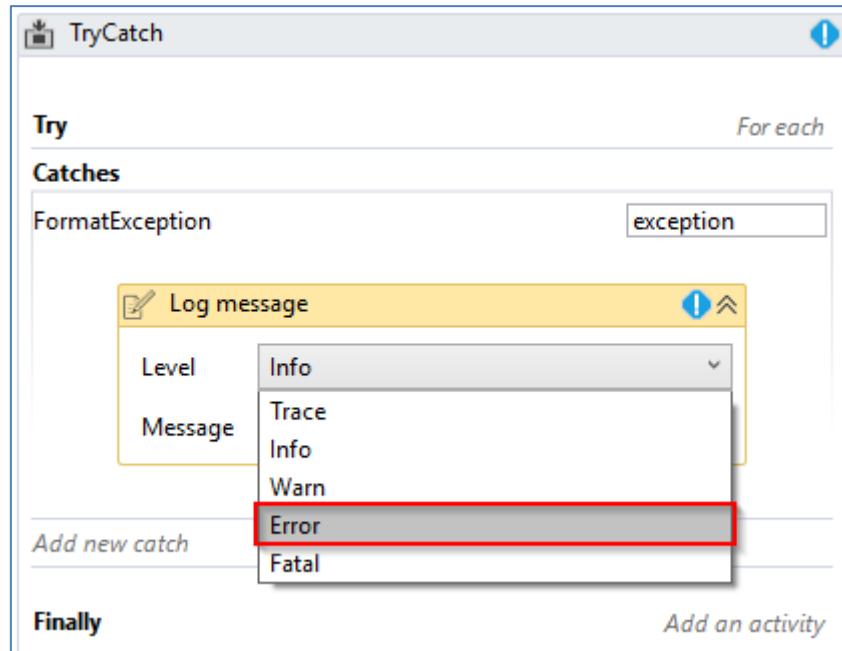


2. Drag and drop the Log message activity



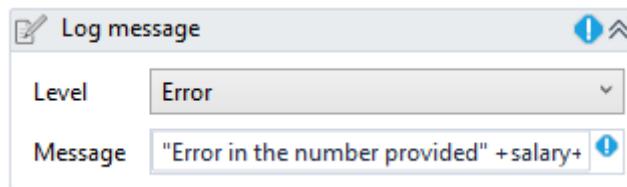
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3. From Level Drop Down, Select Error

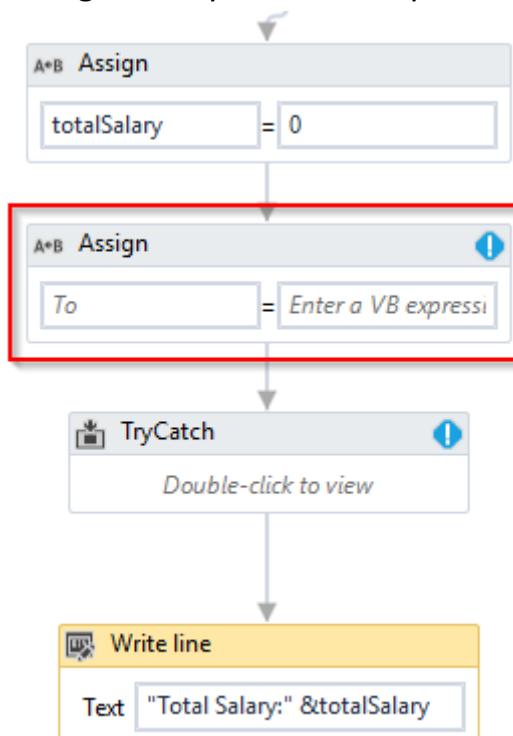


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4. Set "Error in the number provided" +salary+ " " +exception.Message in its message field



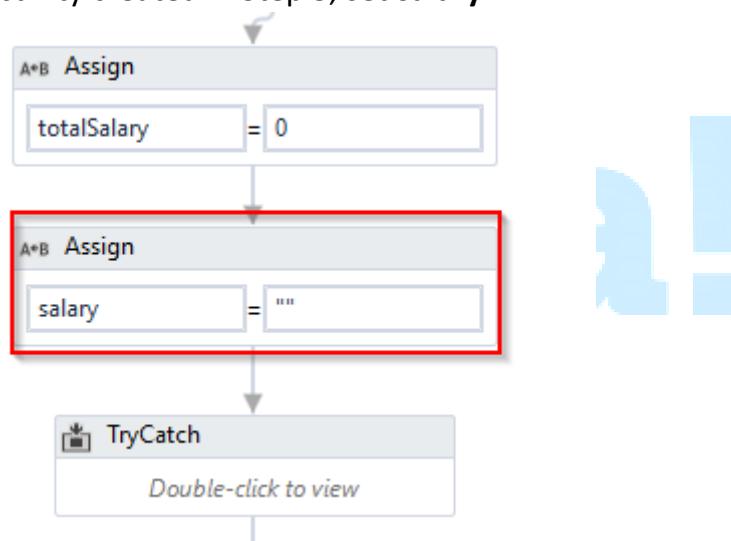
➤ Step 3: Now add an **Assign** activity above the Try Catch activity in the flowchart



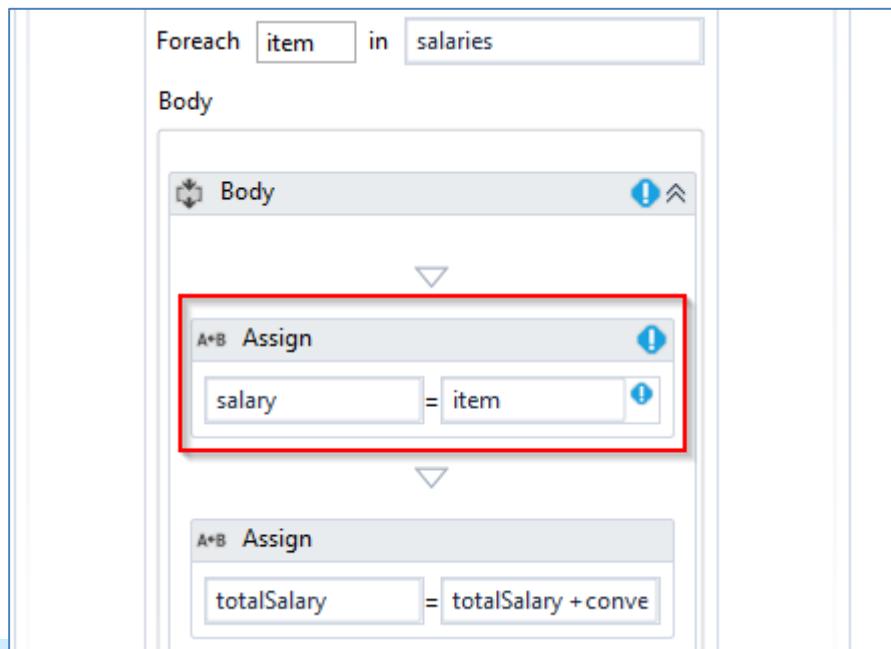
1. Create a variable **salary** of **GenericValue** type

Name	Variable type	Scope	Default
salaries	String[]	debugging	Enter a VB expression
totalSalary	Int32	debugging	Enter a VB expression
salary	GenericValue	debugging	Enter a VB expression

2. In the Assign activity created in Step 3, set **salary = ""**

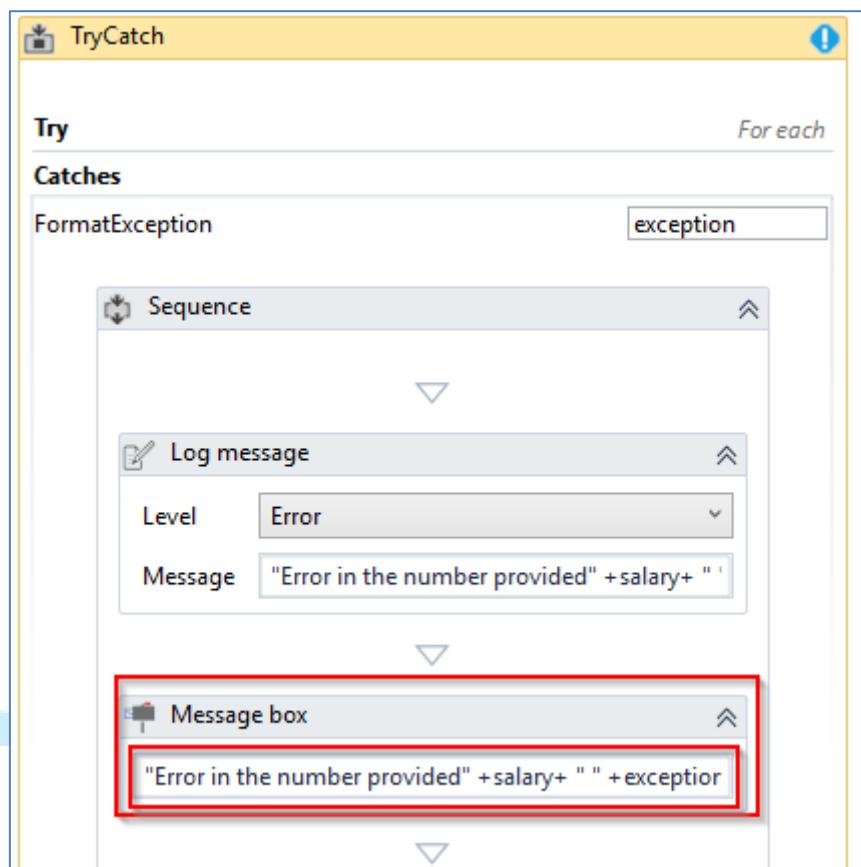


3. Navigate to your For each conditions and add an Assign activity in its body and set **salary=item**



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4. Navigate to your Try Catch sequence and add a Message Box activity under Log message activity. Set the Log Message into the Message box



- Step 4: Now run the project, you will get the error message in the message box.

