

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

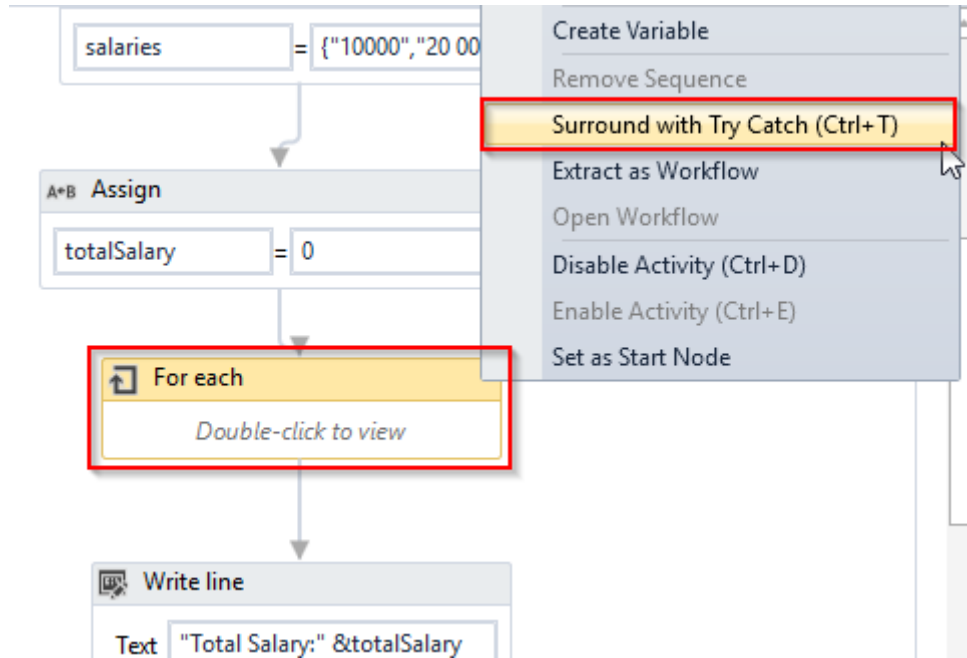
System.FormatException: Input string was not in a correct format.
at System.Number.StringToNumber(String str, NumberStyles options, NumberBuffer& number, NumberFormatInfo info, Boolean parseDecimal)
at System.Number.ParseInt32(String s, NumberStyles style, NumberFormatInfo info)
at System.String.System.IConvertible.ToInt32(IFormatProvider 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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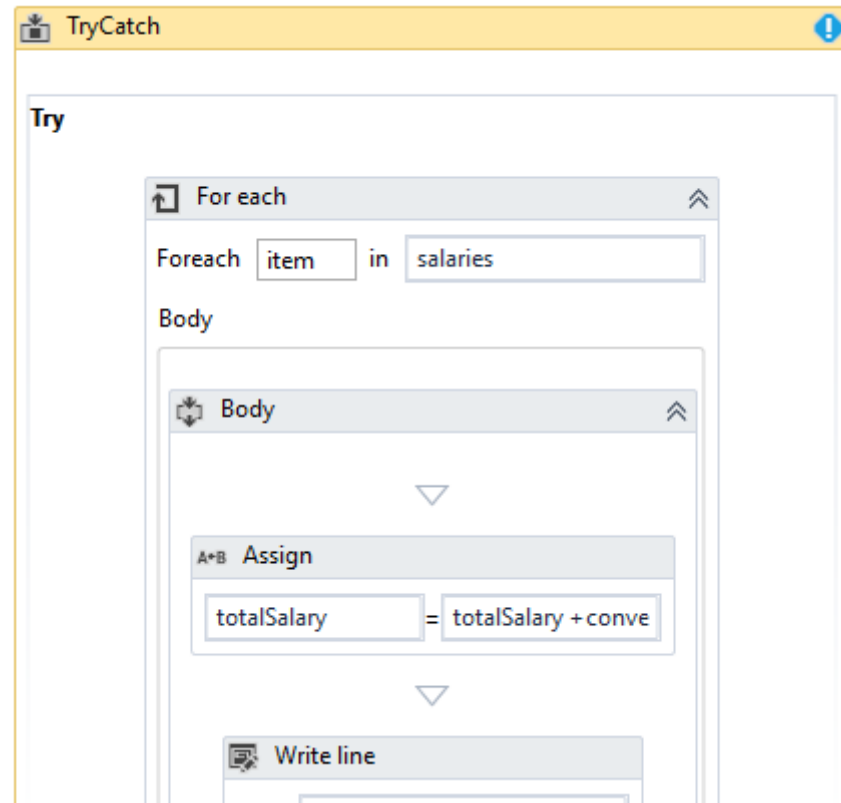
Demo 3 – Solution

- **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**



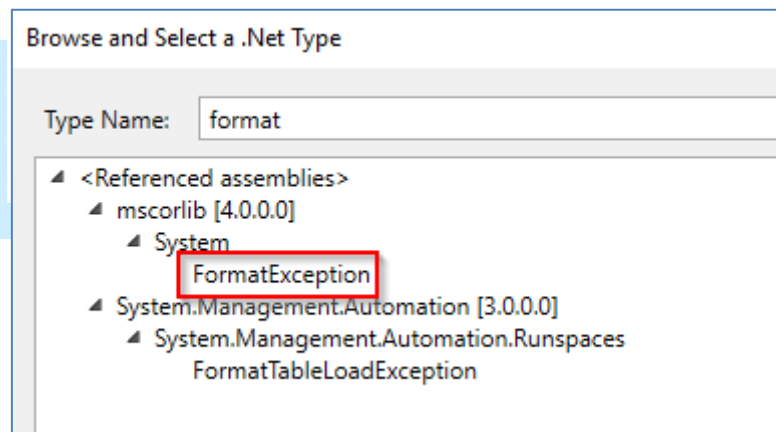
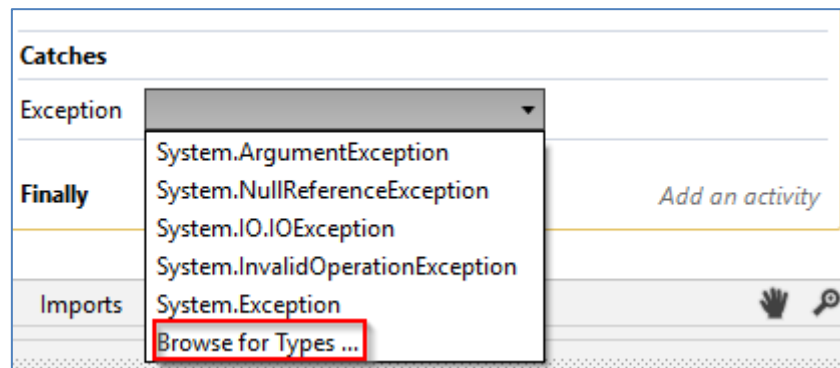
- **Step 2:** Double click on the activity you have surrounded with Try Catch.
1. We have surrounded our **For each** activity with Try Catch because it is the **activity responsible for the Exception**
 2. Double clicking on it looks like this:



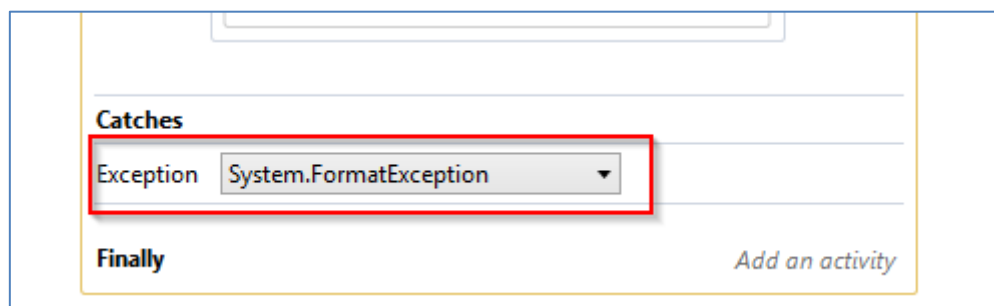
3. At the bottom we have a **Catch** block and a **Finally** block



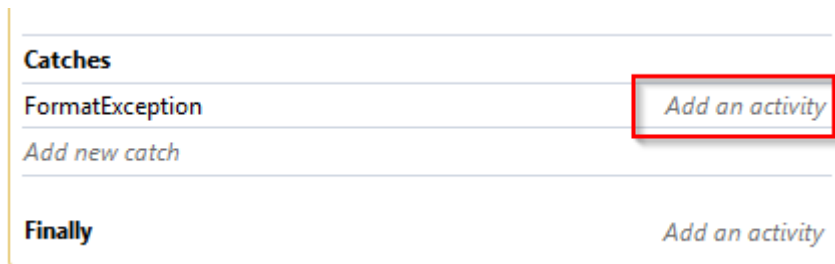
- Click on **Add a new catch** and from the drop down, select the type of exception you want to catch. Our program has “format” exception so we choose format exception type by browsing for it.



- After selecting it, our Catch block looks like this:



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



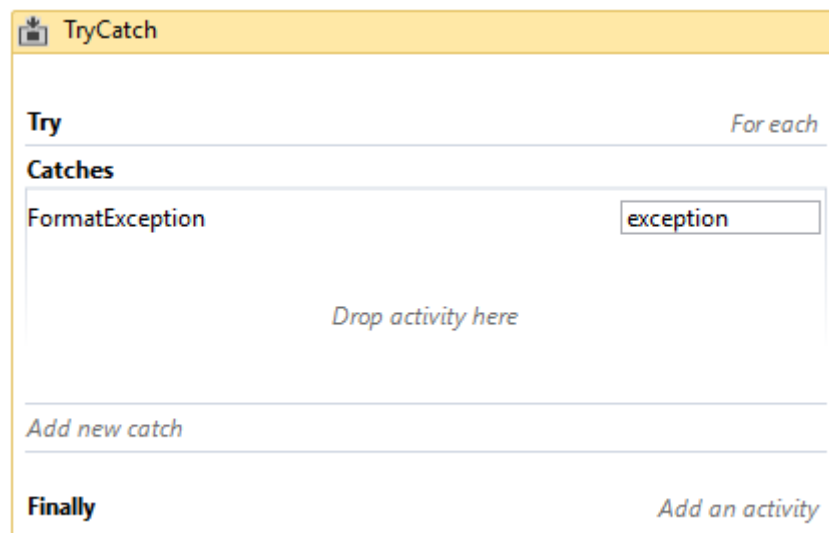
Catches

FormatException Add an activity

Add new catch

Finally Add an activity

1. You will get screen like this:



TryCatch

Try For each

Catches

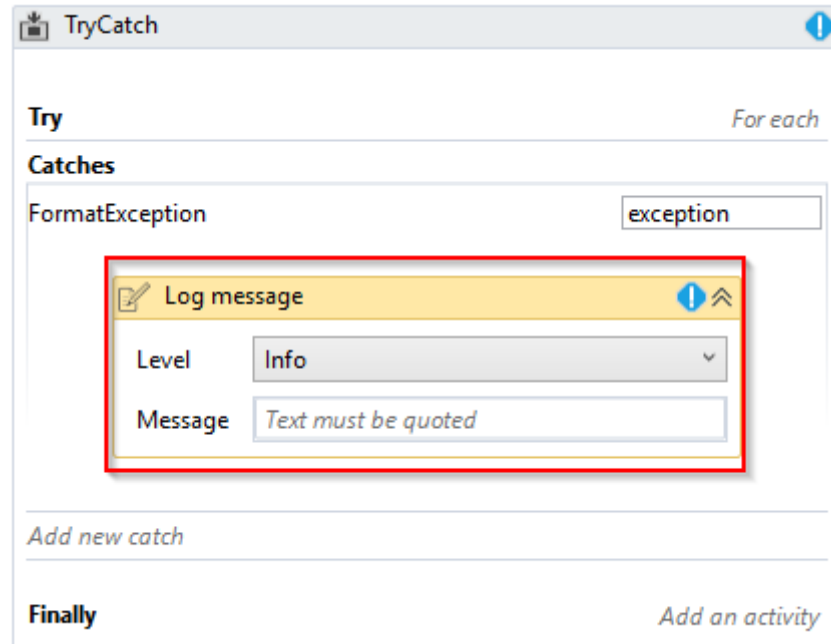
FormatException exception

Drop activity here

Add new catch

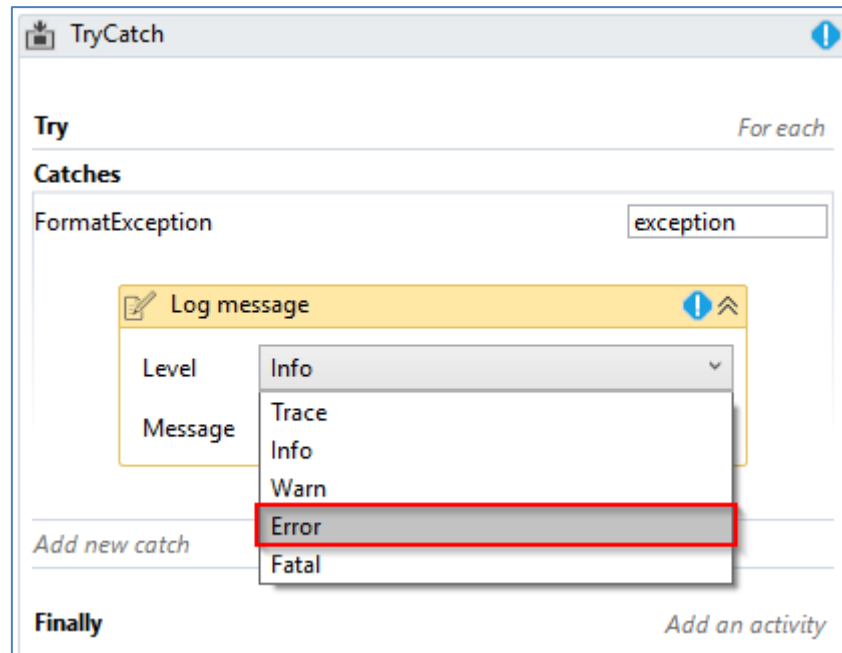
Finally Add an activity

2. Drag and drop the Log message activity



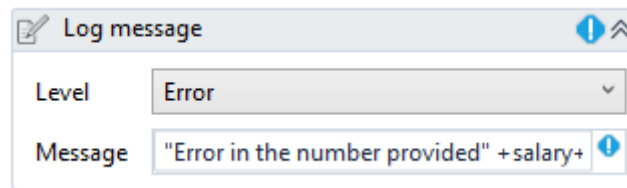
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3. From Level Drop Down, Select **Error**

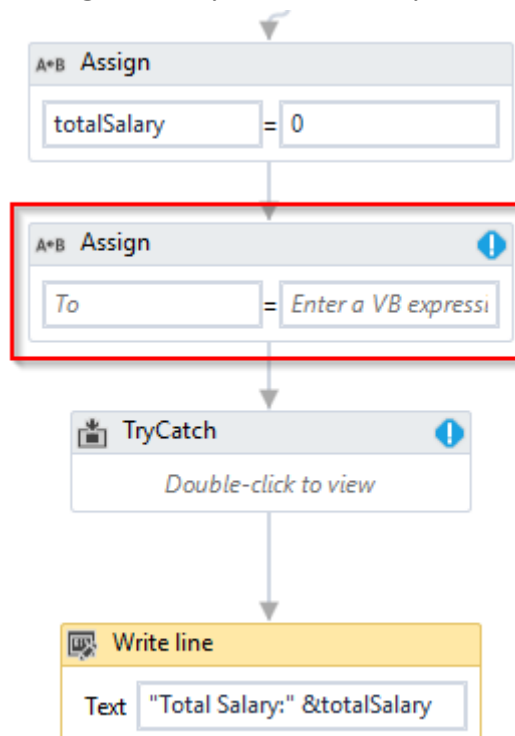


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4. Set "Error in the number provided" +salary+ " " +exception.Message in its message field



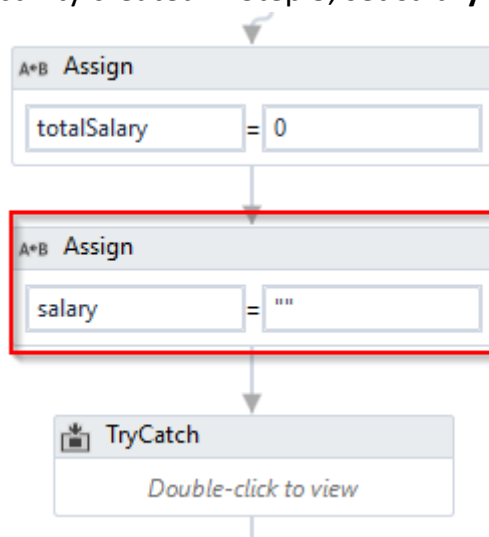
- **Step 3:** Now add an **Assign** activity above the Try Catch activity in the flowchart



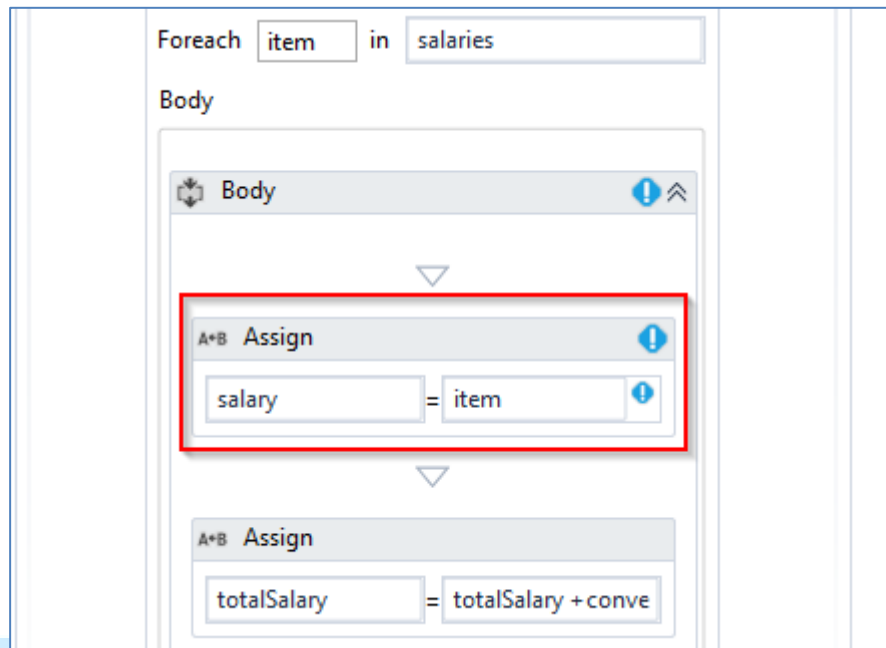
1. Create a variable **salary** of **GenericValue** type

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** = ""

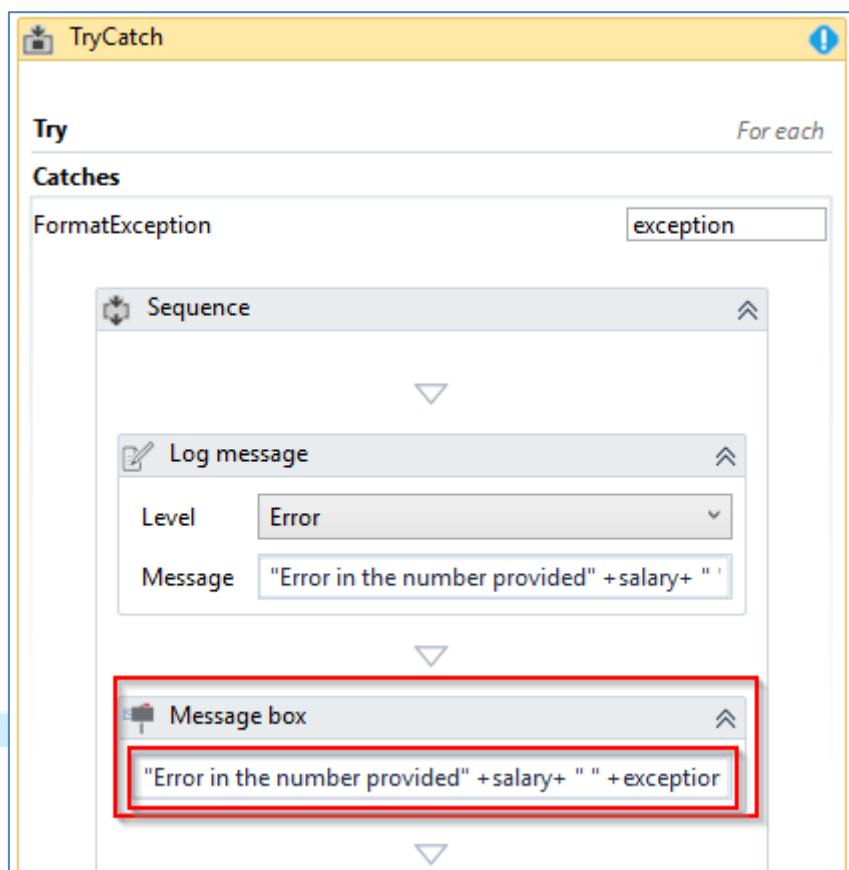


3. Navigate to your For each conditions and add an Assign activity in its body and set **salary=item**



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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.

