


# If Activity

To exemplify how you can use the **If** activity, let's create an automation that asks the user for two numbers, checks to see if one is divisible by the other, and depending on the result, displays a different message in the **Output** panel.

1. Create a new sequence.
2. Create two integer variables, `FirstNumber` and `SecondNumber` for example.
3. Add two **Input Dialog** activities to the **Designer** panel.
4. Type titles and labels for both activities and, in the **Value entered** fields, add the `FirstNumber` and `SecondNumber` variables.
5. Add an **If** activity to the **Designer** panel, under the previously added **Input Dialog** ones.
6. In the **Condition** section, type `FirstNumber mod SecondNumber = 0`. This expression checks if the first number is divisible to the second one, using the **mod** operator.
7. In the **Then** section, add a **Write Line** activity.
8. On the right side of the **Text** field, select **Plus**  > **Open in Advanced Editor**.
9. Inside the **Expression Editor** window, type `FirstNumber.ToString + " is divisible by "+ SecondNumber.ToString + "."`. This is the message that is displayed if the first number is divisible by the second one.
10. Click **Show Else** to display the Else section, and then add another **Write Line** activity in the **Else** section.
11. Inside the **Expression Editor** window, type `FirstNumber.ToString + " is NOT divisible by "+ SecondNumber.ToString + "."`. This is the message that is displayed if the first number is not divisible with the second one.

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**Input dialog**

Dialog Title  
"First Number"

Input Label  
"Please insert a number."

Input Type  
Text Box

Value entered  
FirstNumber

↓

**Input dialog**

Dialog Title  
"Second Number"

Input Label  
"Please insert a number."

Input Type  
Text Box

Value entered  
SecondNumber

↓

**If**

Condition \*

FirstNumber mod SecondNumber = 0

Then

**Write line**

Text  
FirstNumber.ToString + " is divisible by " + SecondNumber.ToString

Else

**Write line**

Text  
FirstNumber.ToString + " is NOT divisible by " + SecondNumber.ToString

12. Press F5. The automation is executed.
13. Add numbers when prompted. Note that the **Output** panel displays the result, depending on the values added in the **Input Dialog** windows.

