Do Some Math Flow

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Table of Contents

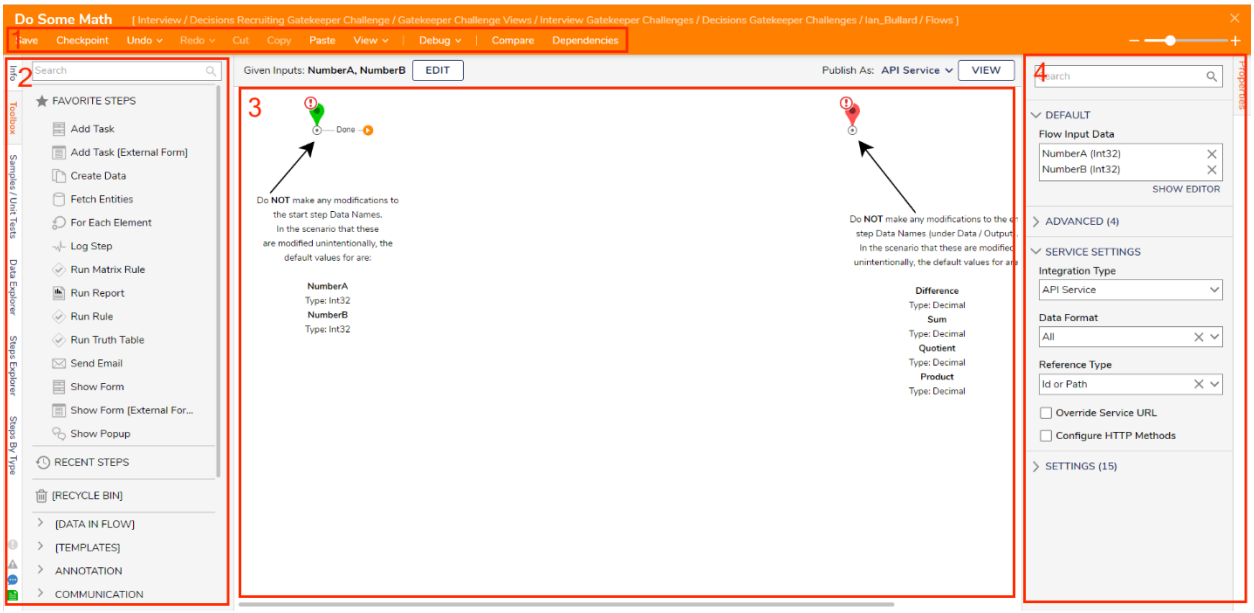
Introduction

In this guide, through various steps, you will learn how to complete the “Do Some Math” Exercise. While engaging with the exercise you will familiarize yourself with the interface while using some of the simple functions of the software. By the completion of this guide, you will be able to find the Difference, Sum, Quotient, and Product within a workflow from two given input values using the Decisions platform.

Getting Started

Workflow: is a visual representation of a process that contains a sequence of Steps

Steps: are defined as the building blocks of Flows.



1. Menu bar
2. Side panel
3. Workspace
4. Properties panel

Math Flow Actions

The following steps will guide you through finding the Difference (NumberB - NumberA), Sum (NumberA + NumberB), Quotient (NumberB / NumberA), and the Product (NumberA * NumberB) within this flow.

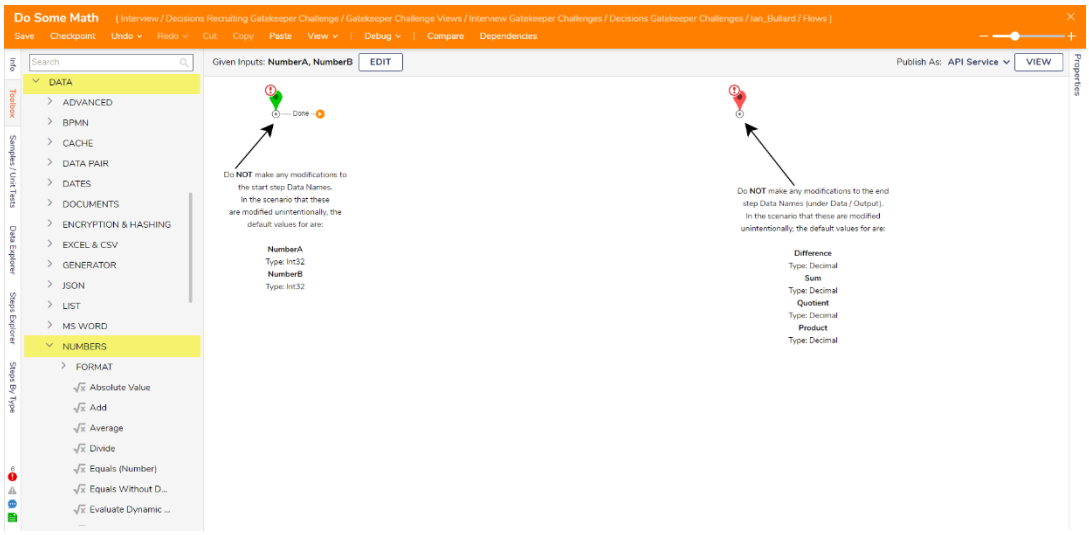
Open the Flow

1. Select the “Flows” folder in the [your name] folder.
2. Find the Flow called “Do Some Math”. Select the Flow to open it.
3. Now you are in the Flow Designer.

Add Steps to the Flow Designer

1. Ensure the toolbox tab is selected in the side panel.

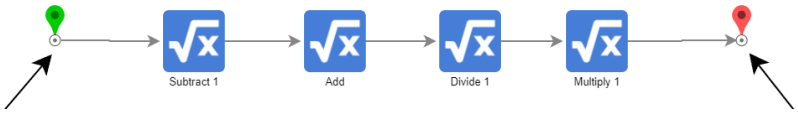
2. Find the "**Subtract**" step under **DATA** > **NUMBERS** and drag it into the workspace. Repeat this for the "**Add**", "**Divide**", and "**Multiply**" steps.



3. Hold Left Click on the steps to drag and move them around. Organize the steps neatly between the "**Start**" step (green pin) and "**End**" step (red pin).

4. Connect the steps together by dragging the yellow path arrow to the step next to it. Afterwards everything should be connected to one another.

Note: If you make a mistake and need to remove a path, hover over the path and then select the trash can icon.



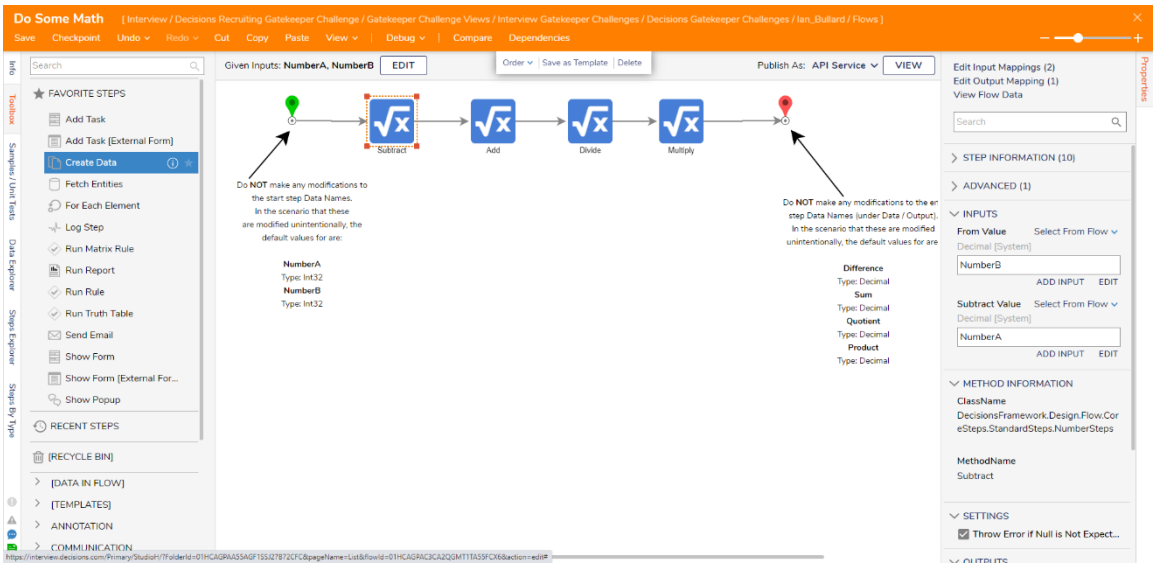
Find the Difference

1. Select the "**Subtract**" step.

2. In the properties panel, find the "**Inputs**" section.

    a) Select "Pick" or "Edit" under "**From Value**" and then select "**NumberB**" from the dialog box. Select "**Done.**"

b) Select “Pick” or “Edit” under “**Subtract Value**” and then select “**NumberA**” from the dialog box. Select “**Done.**”



3. Select the “**End”** step.

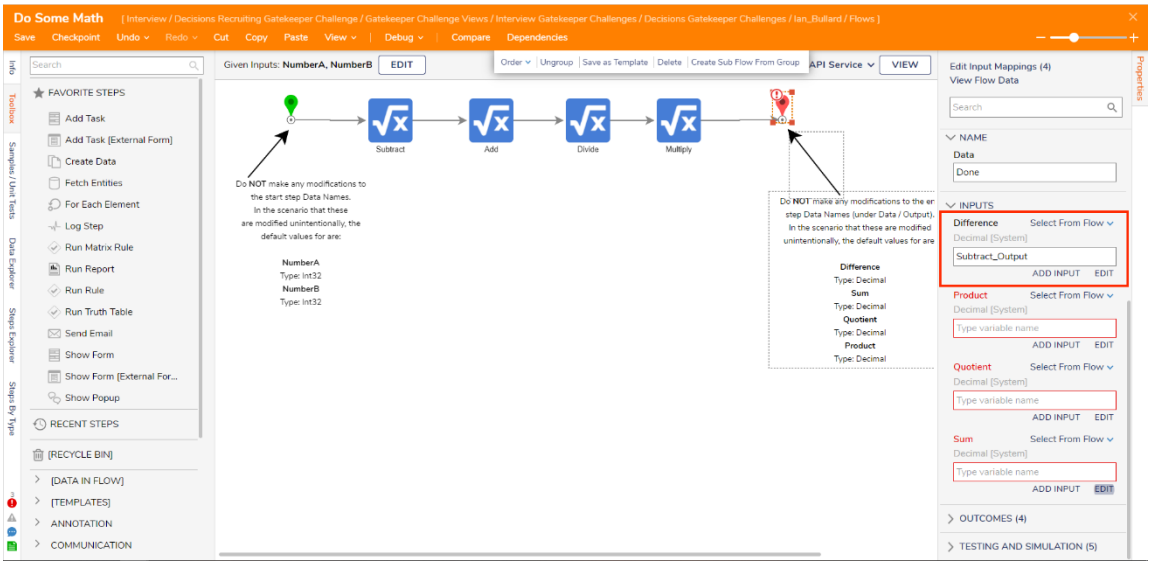
4. In the properties panel, find the “**Inputs**” section.

   a) Select “Edit” under “**Difference.**”

   b) Select “**Subtract_Output**” from the dialog box.

   c) Select “**Done.**”

Note: The output will have the same name as the step followed by “ _Output”. This is true for all steps. (Example: If the step is named “Subtract1” the output will be “Subtract1_Output.”)



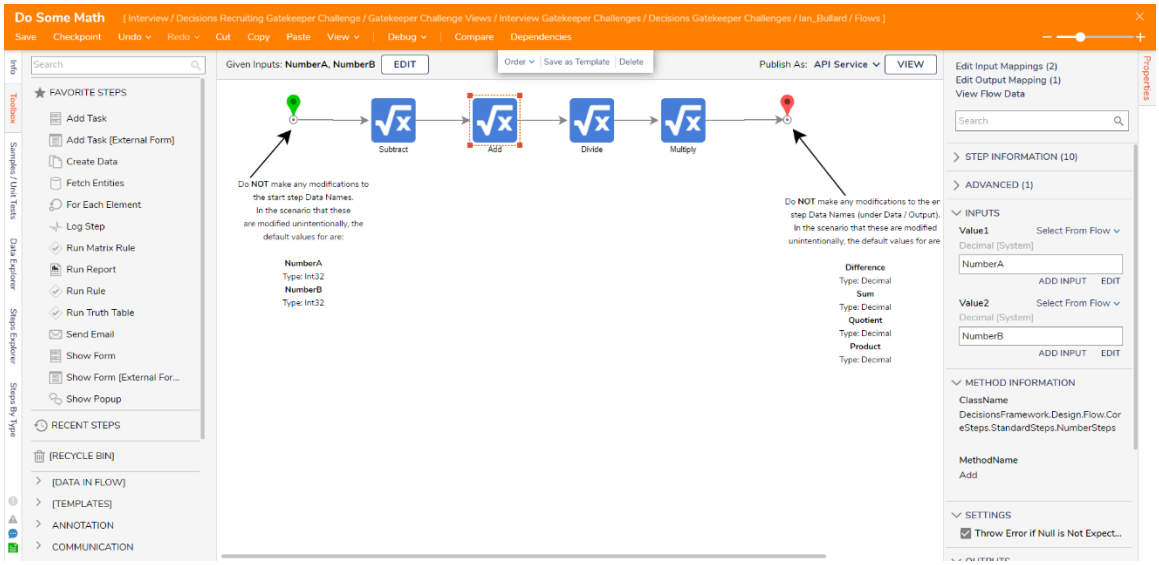
Find the Sum

1. Select the “**Add**” step.

2. In the properties panel, find the “**Inputs**” section.

a) Select “Pick” or “Edit” under “**Value1**” and then select “**NumberA**” from the dialog box. Select “**Done.**”

b) Select “Pick” or “Edit” under “**Value2**” and then select “**NumberB**” from the dialog box. Select “**Done.**”



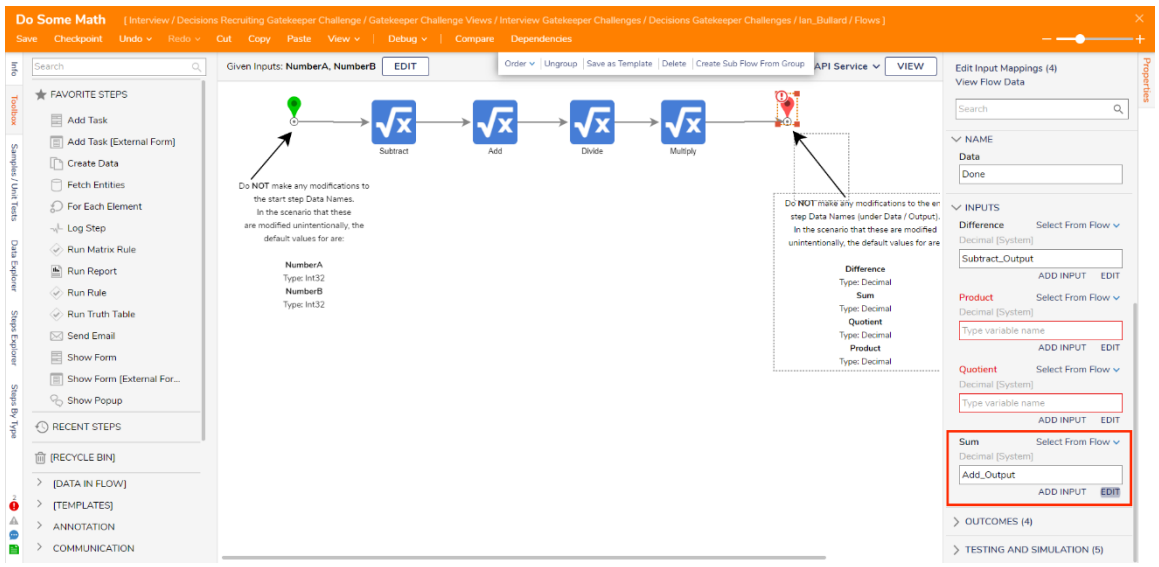
3. Select the “**End”** step.

4. From the properties panel find the “**Inputs**” section.

a) Select “Edit” under “**Sum.**”

b) Select “**Add_Output**” from the dialog box.

c) Select “**Done.**”



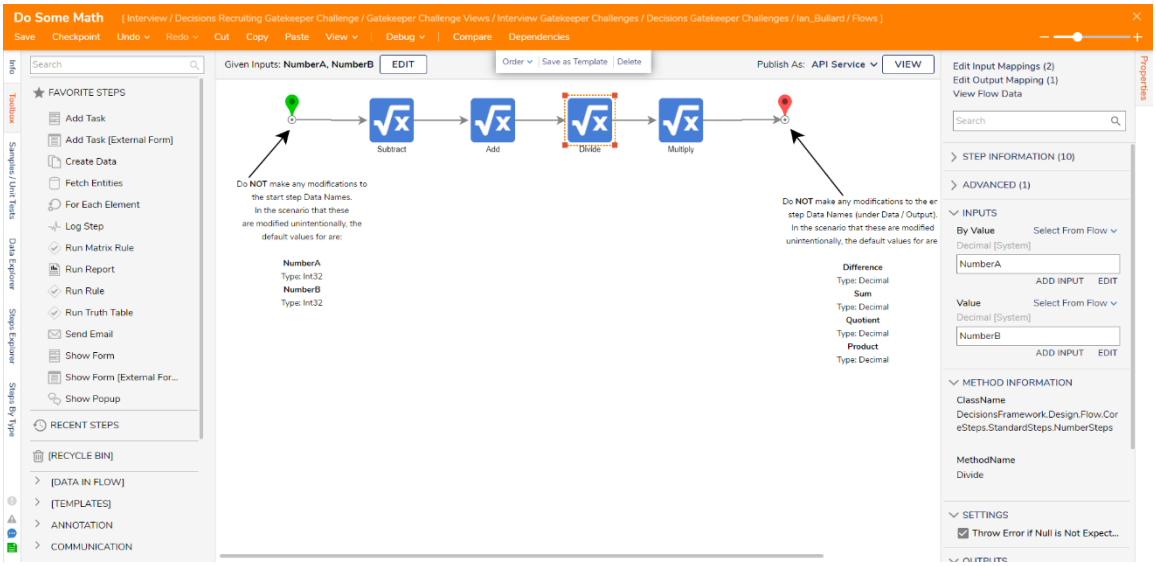
Find the Quotient

1. Select the “**Divide**” step.

2. In the properties panel, find the “**Inputs**” section.

a) Select “Pick” or “Edit” under “**By Value**” and then select “**NumberA**” from the dialog box. Select “**Done.**”

b) Select “Pick” or “Edit” under “**Value**” and then select “**NumberB**” from the dialog box. Select “**Done.**”



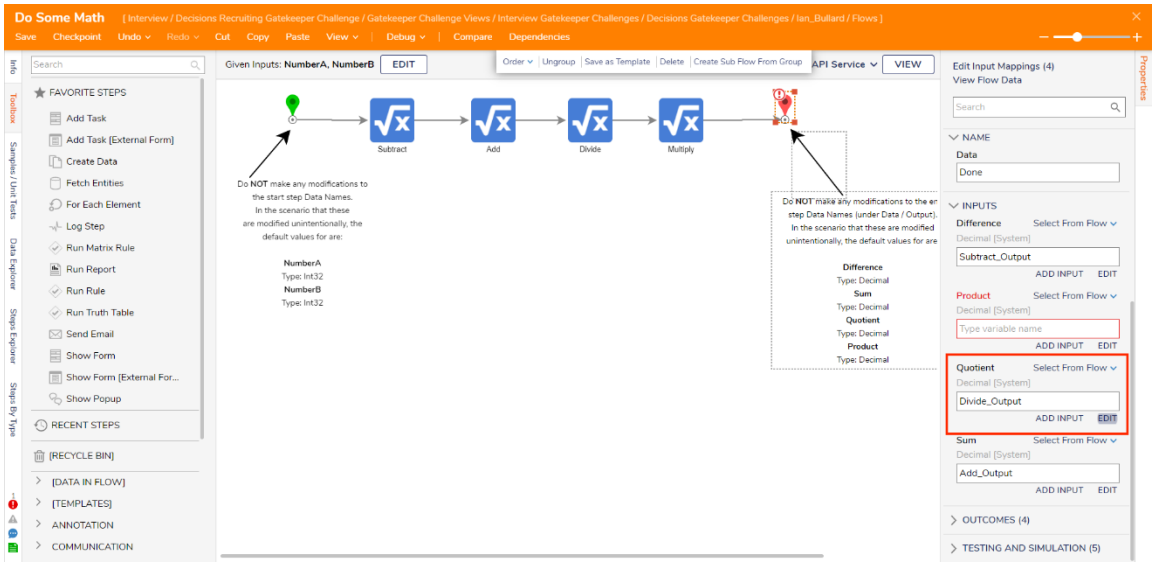
3. Select the “**End”** step.

4. From the properties panel find the “**Inputs**” section.

a) Select “Edit” under “**Quotient.**”

b) Select “**Divide_Output**” from the dialog box.

c) Select “**Done.**”



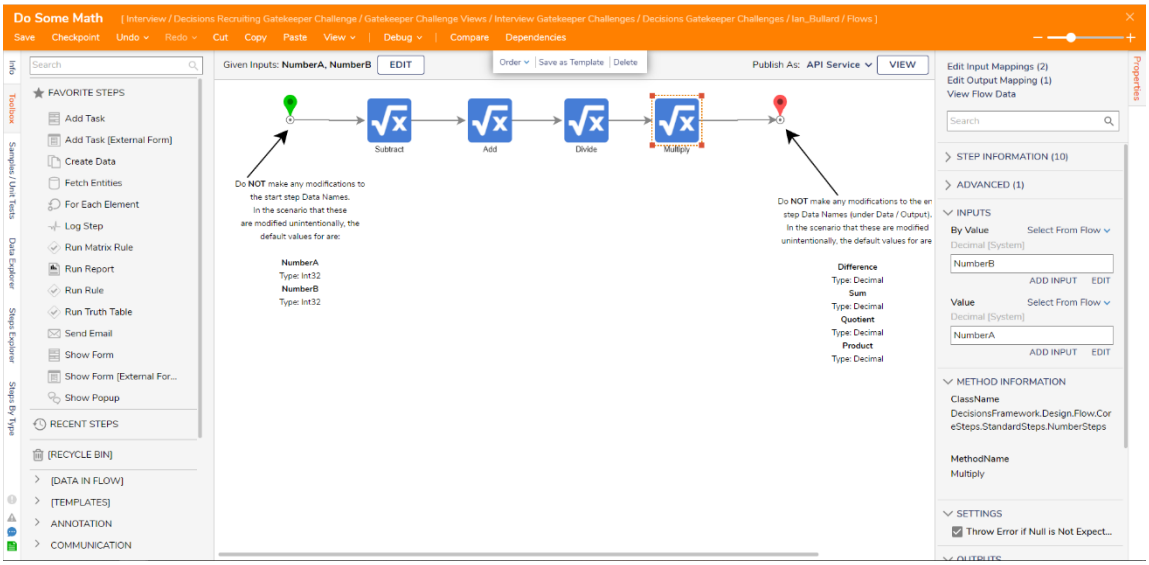
Find the Product

1. Select the “**Multiply**” step.

2. In the properties panel, find the “**Inputs**” section.

a) Select “Pick” or “Edit” under “**By Value**” and then select “**NumberB**” from the dialog box. Select “**Done.**”

b) Select “Pick” or “Edit” under “**Value**” and then select “**NumberA**” from the dialog box. Select “**Done.**”



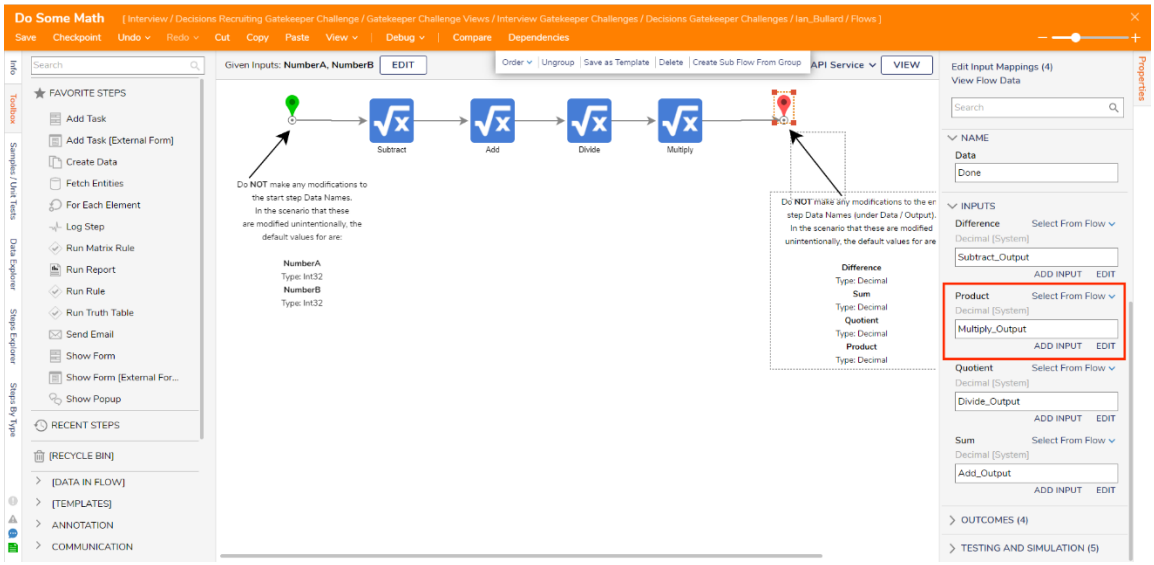
3. Select the “**End”** step.

4. From the properties panel find the “**Inputs**” section.

a) Select “Edit” under “**Product.**”

b) Select “**Multiply_Output**” from the dialog box.

c) Select “**Done.**”



With all these steps done, the math flow is complete.

Debugging

1. Go to the menu bar and select “**Debug**.”
2. Under unit test, select “Run All”. This will run four tests through the workflow. It will return success if the logic works as expected.
3. If the logic fails, it will display where the failure took place.