
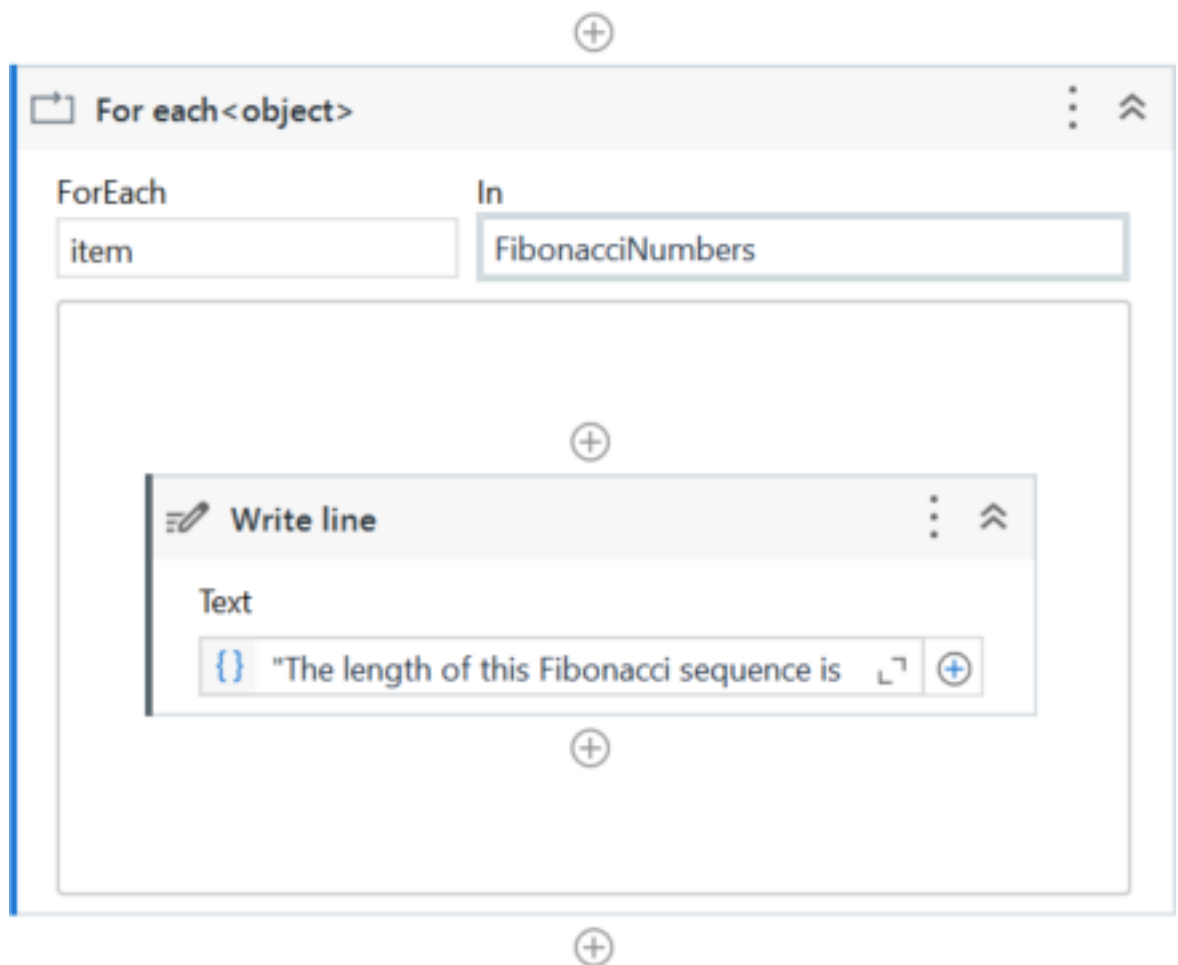


For Each Activity

To exemplify how to use a **For Each** activity, let's create an automation that goes through each element of an array of integers and writes the length of the array and each element to the **Output** panel.

1. Create a new sequence.
2. Create an array of integer variables, `FibonacciNumbers`.
3. In the **Default** field, type the Fibonacci sequence up to a desired value, such as {1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89}.
4. Add a **For Each** activity in the **Designer** panel.
5. Do not make any changes to the **ForEach** field.
6. In the **In** field, add the `FibonacciNumbers` variable. This activity looks at each individual item in the provided variable.
7. In the **Body** section of the **For Each** activity, 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 "The length of this Fibonacci sequence is " + `FibonacciNumbers.Length.ToString` + " and contains the " + `item.ToString` + " element.". This expression enables you to write the total number of array elements and each element of the array in the **Output** panel.

The final project should look as in the following screenshot.



10. Press F5. The automation is executed. Note that the **Output** panel displays the correct message for each element of the array.

NOTE: The **Length** property enables you to find out the total number of array elements.

Output

0 0 1 11

Search

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 1 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 1 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 2 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 3 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 5 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 8 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 13 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 21 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 34 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 55 element.

06/29/2016 17:47:02 The length of this Fibonacci sequence is 11 and contains the 89 element.

06/29/2016 17:47:02 Generic Value execution ended in: 00:00:00

Properties Outline Output