

Do While Activity


The **Do While** activity enables you to execute a specified part of your automation while a condition is met. When the specified condition is no longer met, the project exits the loop.

This type of activity can be useful to step through all the elements of an array, or execute a particular activity multiple times. You can increment counters to browse through array indices or step through a list of items.

NOTE: **Do While** activities are evaluated only after the body has been executed once.

Example of Using a Do While Activity

To exemplify how to use a **Do While** activity, let's create an automation that increments an integer variable from 0 to 10, and displays a message every time it is incremented.

1. Create a new sequence.
2. Create an integer variable, `Counter`, with a default value of 0.
3. Add a **Do While** activity to the **Designer** panel.
4. In the **Body** section, add an **Assign** activity.
5. Select the **Assign** activity and in the **To** field, add the `Counter` variable.
6. In the **Value** field, type `Counter + 1`. This helps you increment the value of the variable with one.
7. Add a **Write Line** activity, under the **Assign** one.
8. On the right side of the **Text** field, select **Plus**  **> Open in Advanced Editor**.
9. Inside the **Expression Editor** window, type `"The counter is " + Counter.ToString`. This writes the value of the counter in the **Output** panel each time it is incremented.
10. In the **Condition** section of the **Do While** activity, type `Counter < 10`. The body of the **Do While** activity is repeated until the value of the `Counter` variable is bigger than 10.

The project should look as in the following screenshot.



11. Press F5. The automation is executed. Note that the **Output** panel displays the message indicated in the **Write Line** activity.

