

# While Activity

To exemplify how to use a **While** activity, let's create an automation that increments an integer variable from 10 to 100, and writes all the numbers to a Microsoft Word document.

1. Create a new sequence.
2. Create an integer variable, `Counter`, with the default value of 10.
3. Add a **While** activity to **Designer** panel.
4. In the **Condition** field, type `Counter < 100`. This means that the body of the loop is going to be repeated until the value of the `Counter` variable is going to be bigger than 100.
5. In the **Body** section of the **While** activity, add an [Assign](#) activity.
6. In the **To** field, add the `Counter`.
7. In the **Value** field, type `Counter + 1`. This increments the value of the `Counter` with one.
8. Add an [Append Text](#) activity under the **Assign** one.

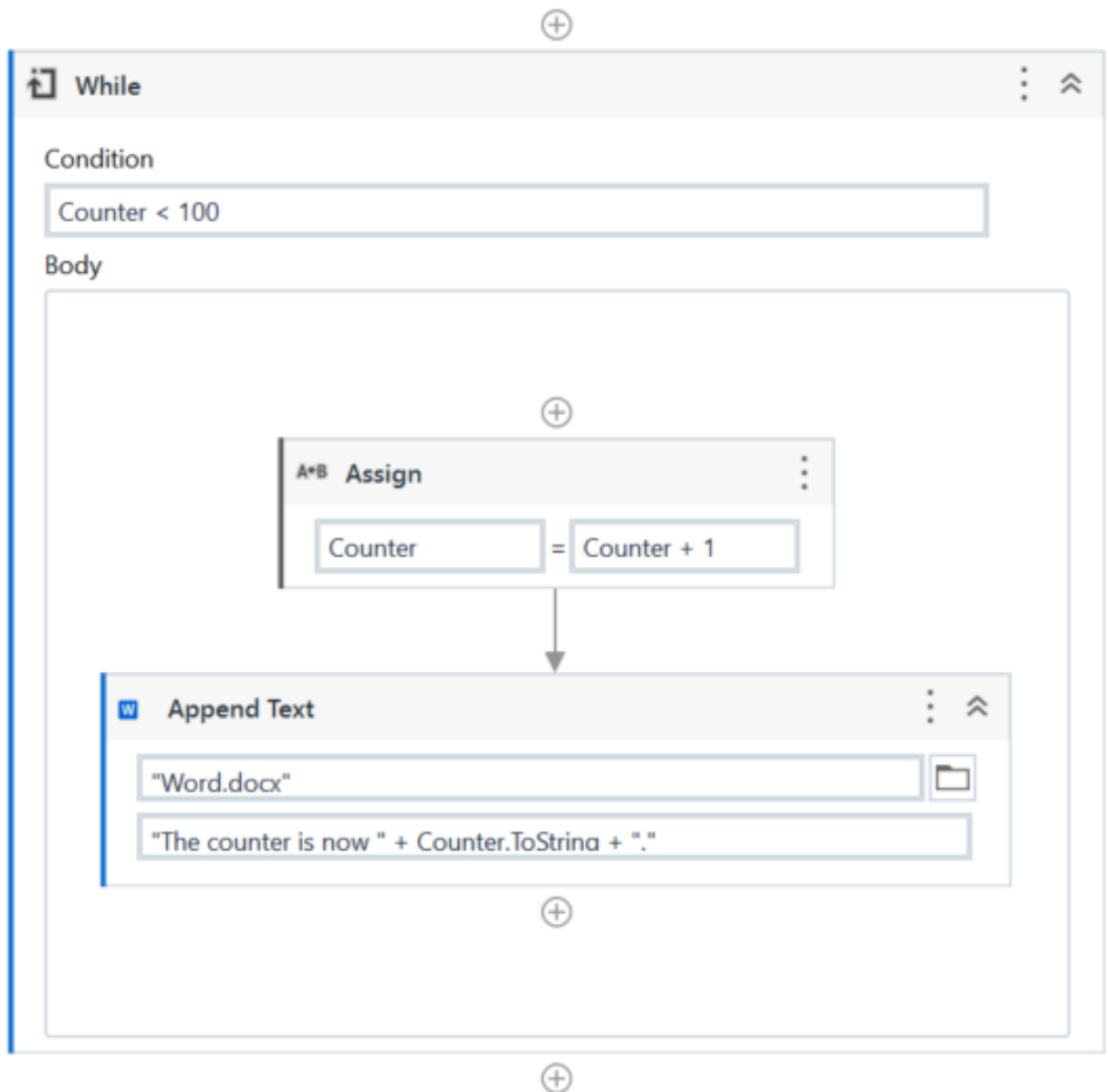
**NOTE:** This activity is part of the Word activities package. If you do not have it, use the [package manager functionality](#) to install it.

9. In the **File path** field, type the path of a Word document in between quotation marks.

**NOTE:** Make sure that the Word document is not used when running the automation, otherwise a message error is displayed and the execution is stopped.

10. In the **Text** field, type `"The counter is now " + Counter.ToString + "."`.

The final project should look as in the following screenshot.



11. Press F5. The automation is executed.
12. Double-click the Word document specified at step 9. Note that all the numbers between 10 and 100 are written, as expected.

