



Brief Description of each activies

**NOTE:**

This version of the document and its current content is meant to serve as an example for business users (e.g. process SME) and it is intended to help with the creation of the process design documentation for RPA.

The current example`s content is fictive or adjusted to remove real confidential data and it should not be replicated to the automation of other business processes. All the process steps and screenshots in the PDD should be captured entirely from scratch and included here for the automation of the process is scope.

The list of examples is not exhaustive. Additional entries may be added or removed, case by case, as required to provide relevant data for RPA.

**Document History**

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# **Introduction**

## I.1 Purpose of the document

This document describes Input, output description of usage and other important things associated with a activity in UiPath.

## Basic Activities

## Write Line

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Input | Output | Sample Code link |
| Write Line | Generic data type or String | Writes a string on Output pane in UiPath Studio |  |

## 

Usage: This is a simple activity used to display a message in Studio’s output panel. These outputs can be seen only during running the code using the Studio and not while running the bot using orchestrator or system tray.

Pros: Easy to use, use full while debugging the code

Cons: None

1. Assign

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Input | Output | Sample Code link |
| Assign | Takes 2 inputs of similar datatypes | Assign the value of right side expression to the left side variable |  |

Usage: As the name suggest assign is used to assign a value to a variable.

1. Assign a value directly to a variable
2. Assign an expression result to a variable.

Pros: Easy to use unlike other tools no need to put a separate calculate activity.

Cons: None

1. Sequence

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Input | Output | Sample Code link |
| Sequence | None | None |  |

Usage: Sequence is like a block or place holder where you can put other activities in sequence.

1. Suitable for straight forward logic
2. Suitable for recordings.

Pros: Very simple layout and easy to identify.

Cons: None

1. Excel Activities

There are 2 types of excel activities available in UiPath workbook and excel activities

For using any excel activities we must keep them inside Excel application scope. But in case of workbook activities we can perform operation without using excel application scope.

Excel activities can only be used within the Excel Application Scope. This effectively opens Excel albeit quickly. Some of the activities like executing macros will only run if within the application scope.

Workbook activities do not require Excel to be open so if for example, all you need to do is read in a range then you can use this.

Let’s take an example to understand the difference, we have a requirement to open excel sheet and read an Invoice No on Cell A1.

When we will use excel activities we should first bring Excel application scope and use read cell activity inside it.

When we are using workbook activity just read workbook will be enough to perform the operation.

|  |  |
| --- | --- |
| Excel | Workbook |
| To use “Excel Application Scope”, Excel should be Install on the system | To use Excel services even Excel is not installed then you can use "Workbook related separate activities. |
| When excel application scope is finished it closed the | For Workbook Related Activity the Excel workbook file should be close at the time of robot run otherwise it will give error like it is being use by other process. |
|  | With Excel Activities you will not be able to access the chart and diagram realted data with Excel Related activities, You will get an error. |