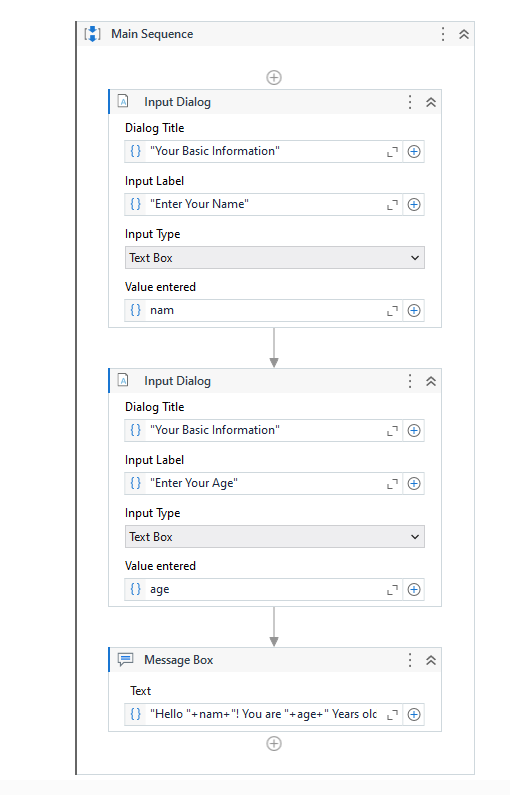
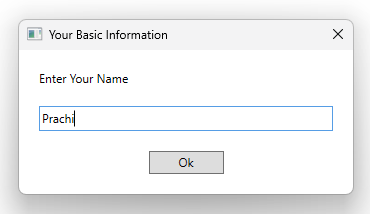
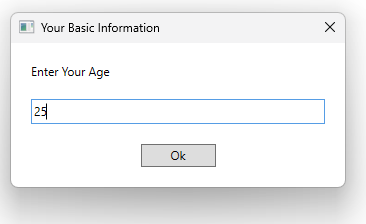
**Practical I**

**A)** Create a simple sequence-based project.



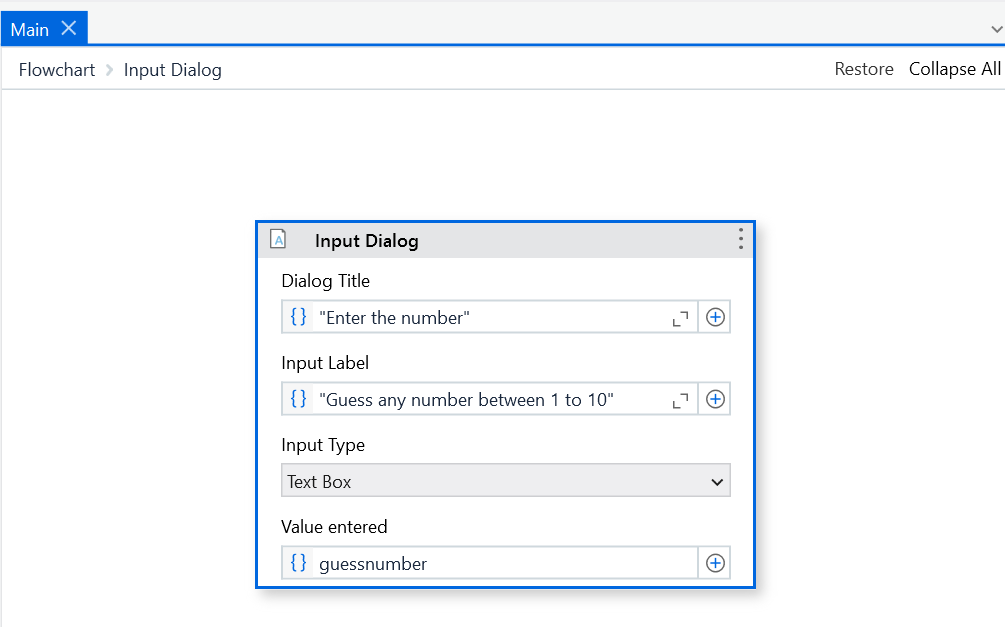
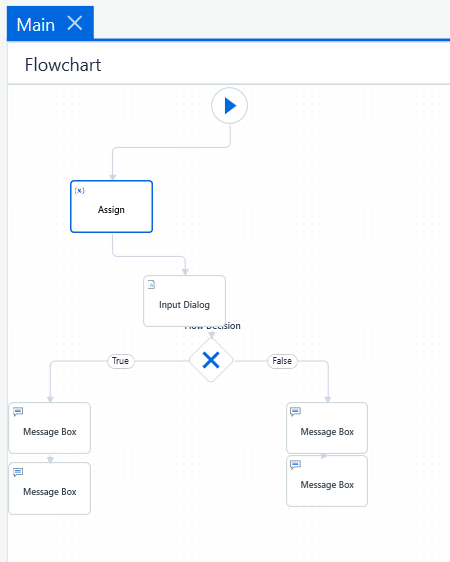
**Output:**

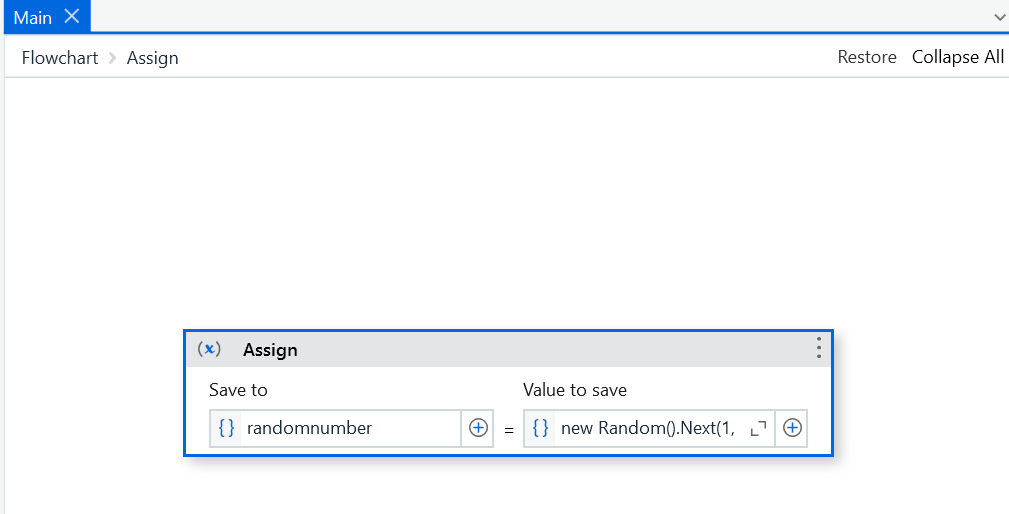


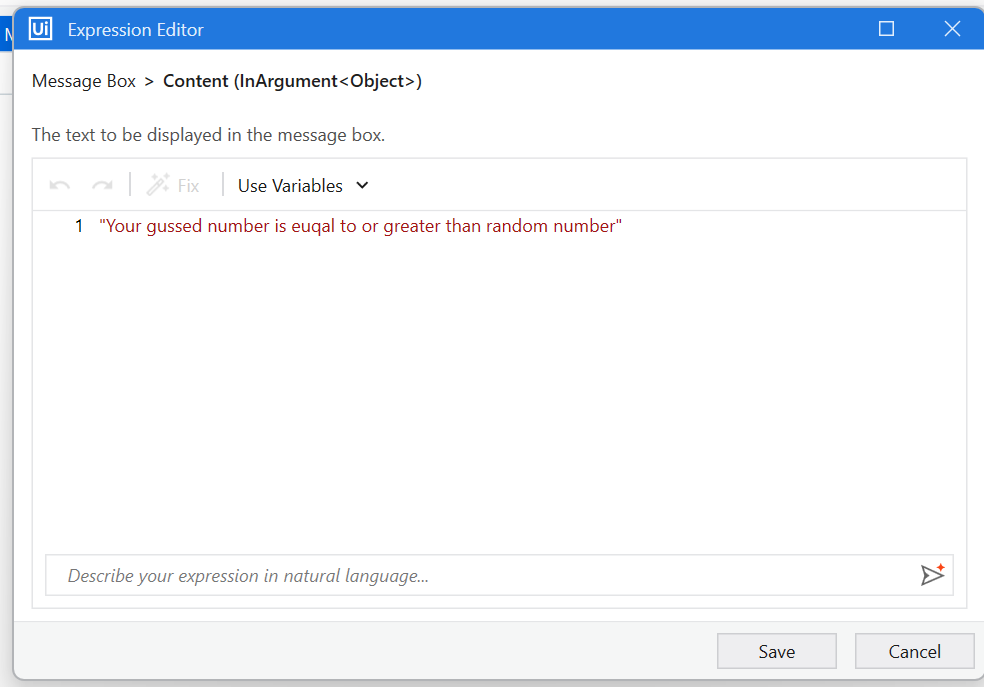


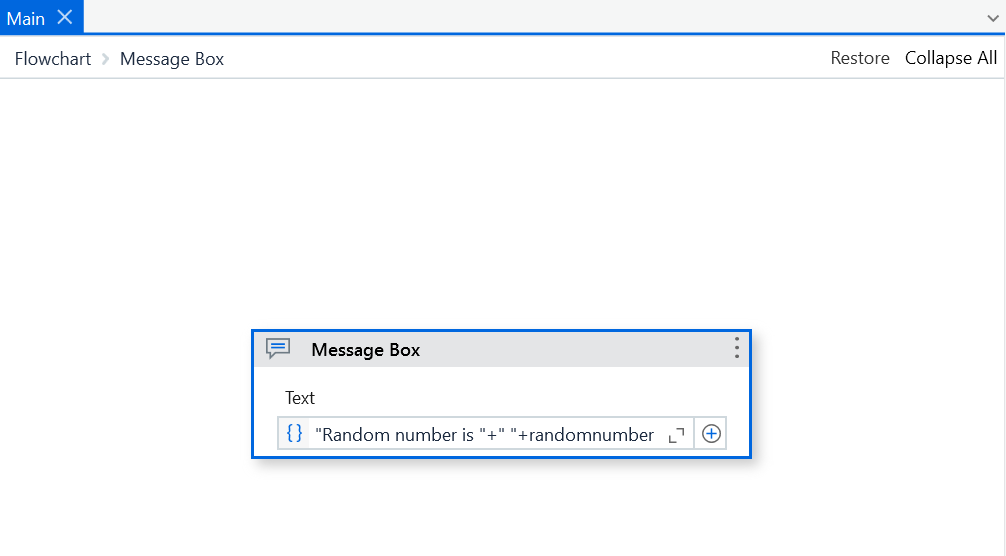


**B)** Create a flowchart-based project.

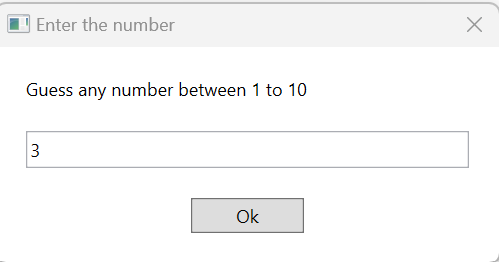


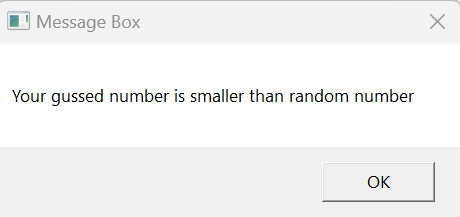


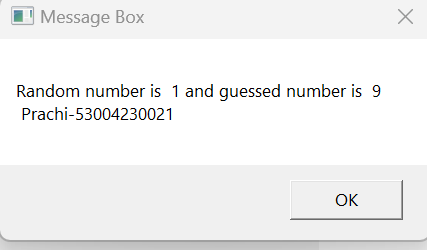




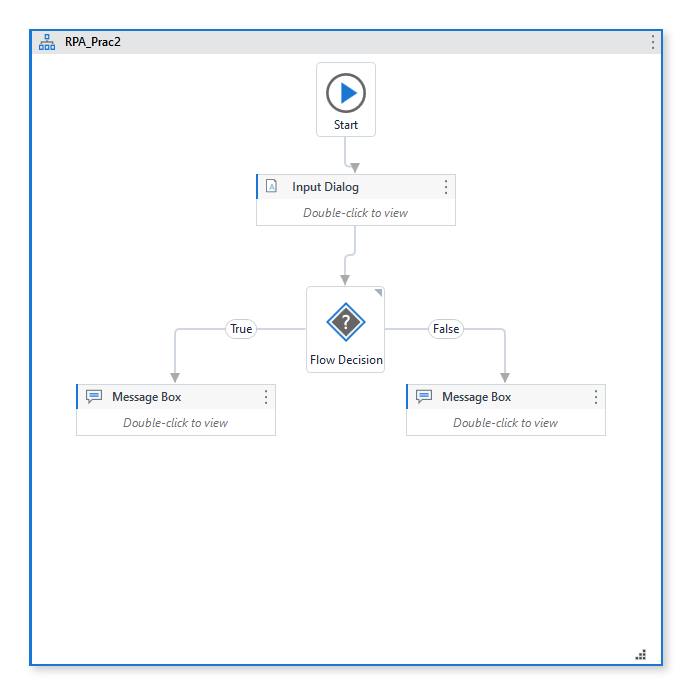
**Output:**



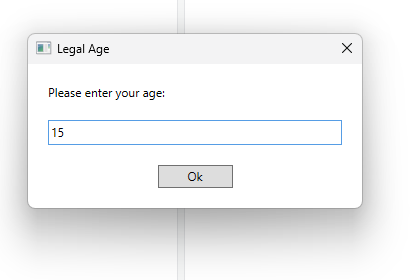




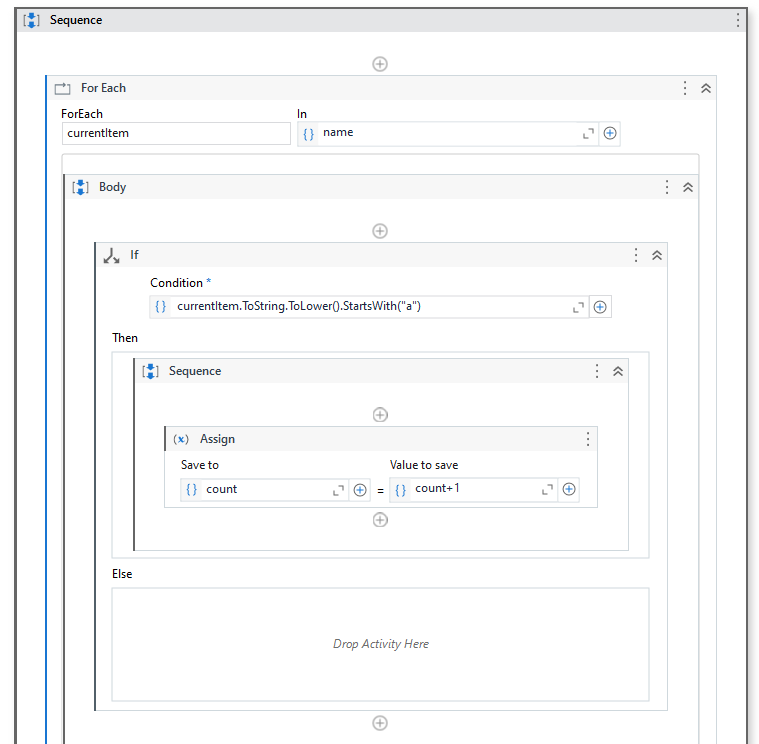
**C)** Create an automation UiPath Project using decision statements.

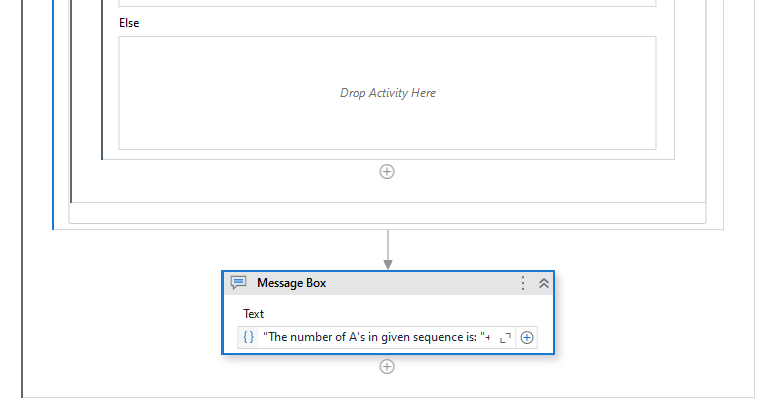


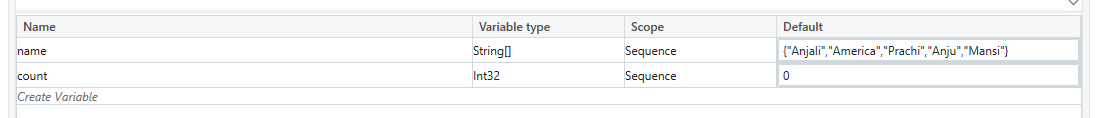
**Output:**



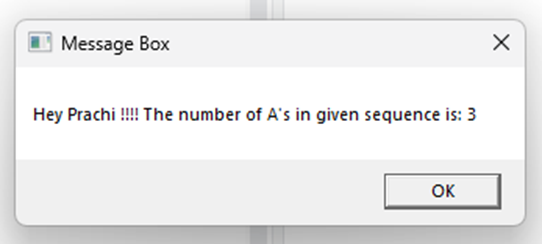
**D.)** Consider an array of names. We have to find out how many of them start with the letter "a". Create an automation where the number of names starting with "a" is counted and the result is displayed.



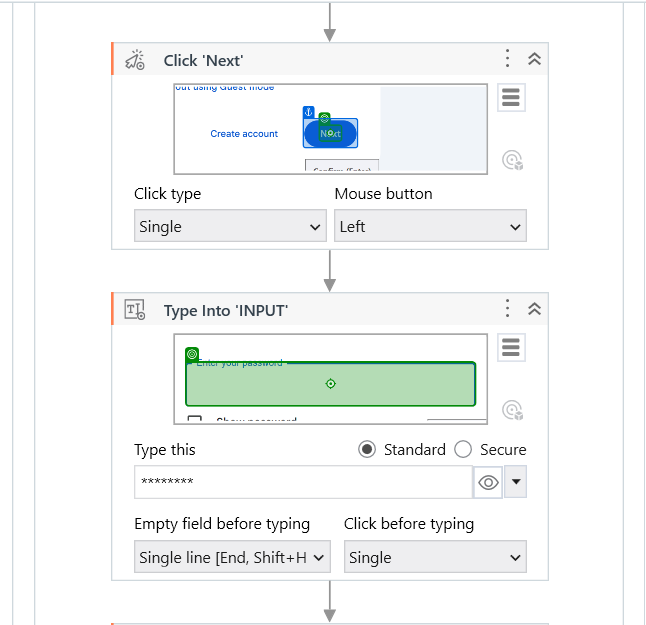
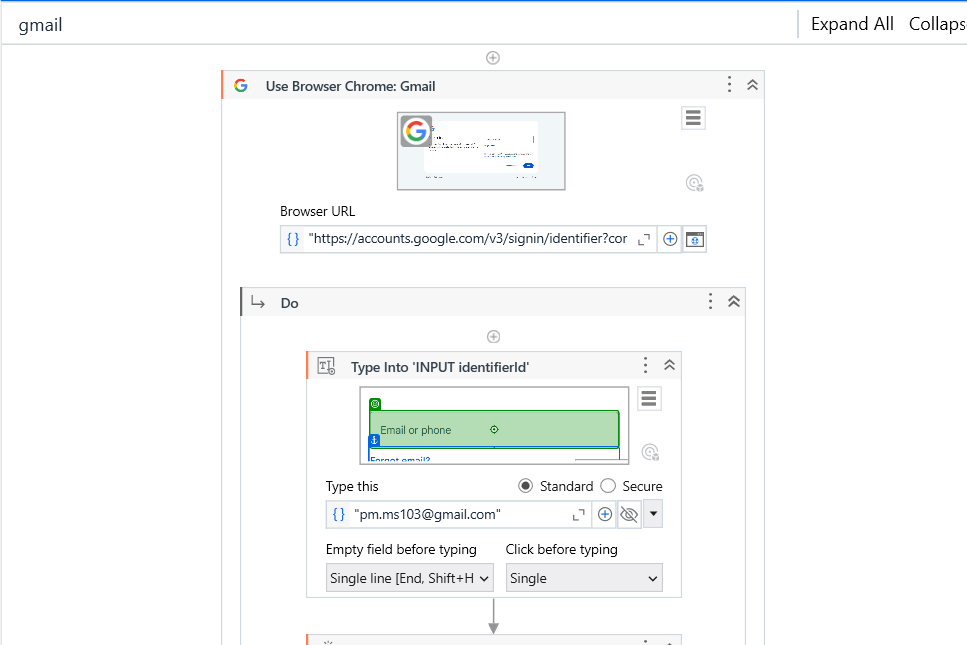


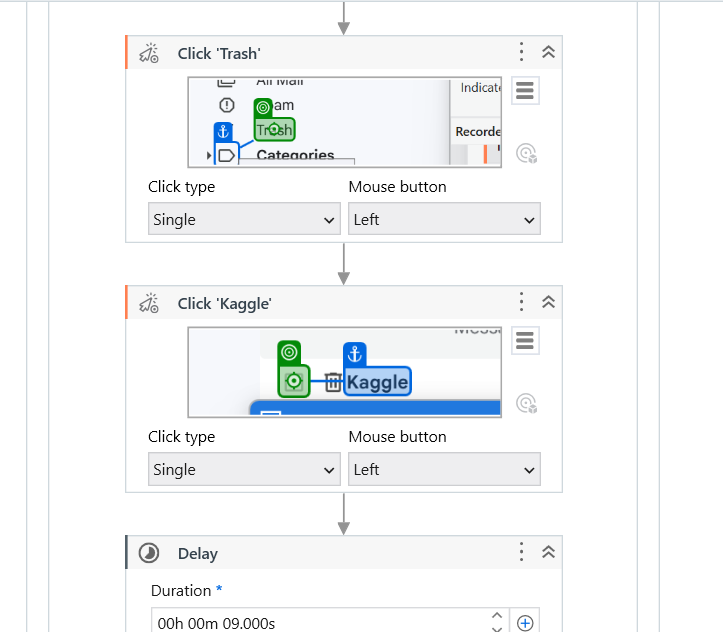
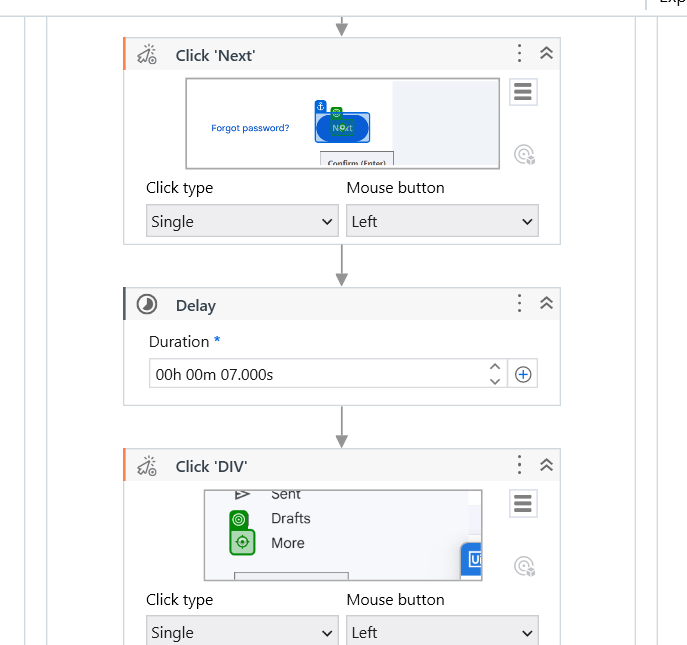


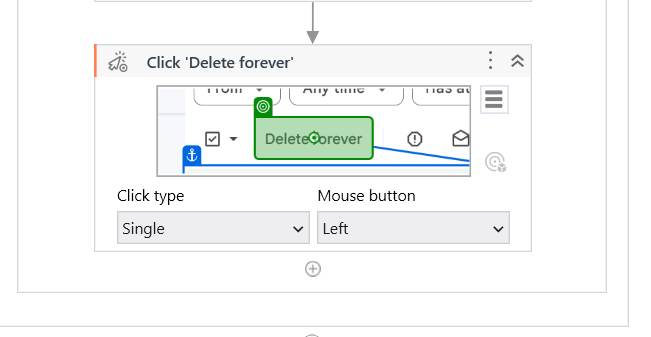
**Output:**



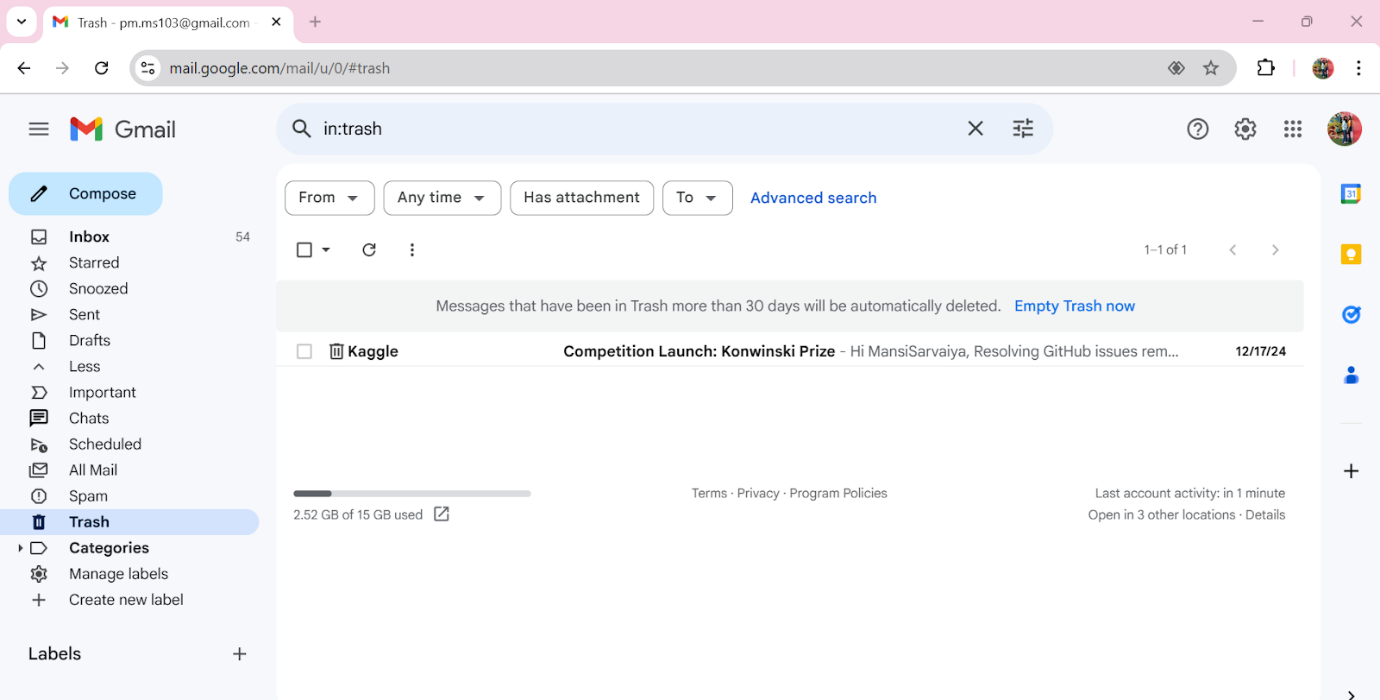
**E.)** Create an UiPath Robot which can empty a folder in Gmail solely on basis of recording.

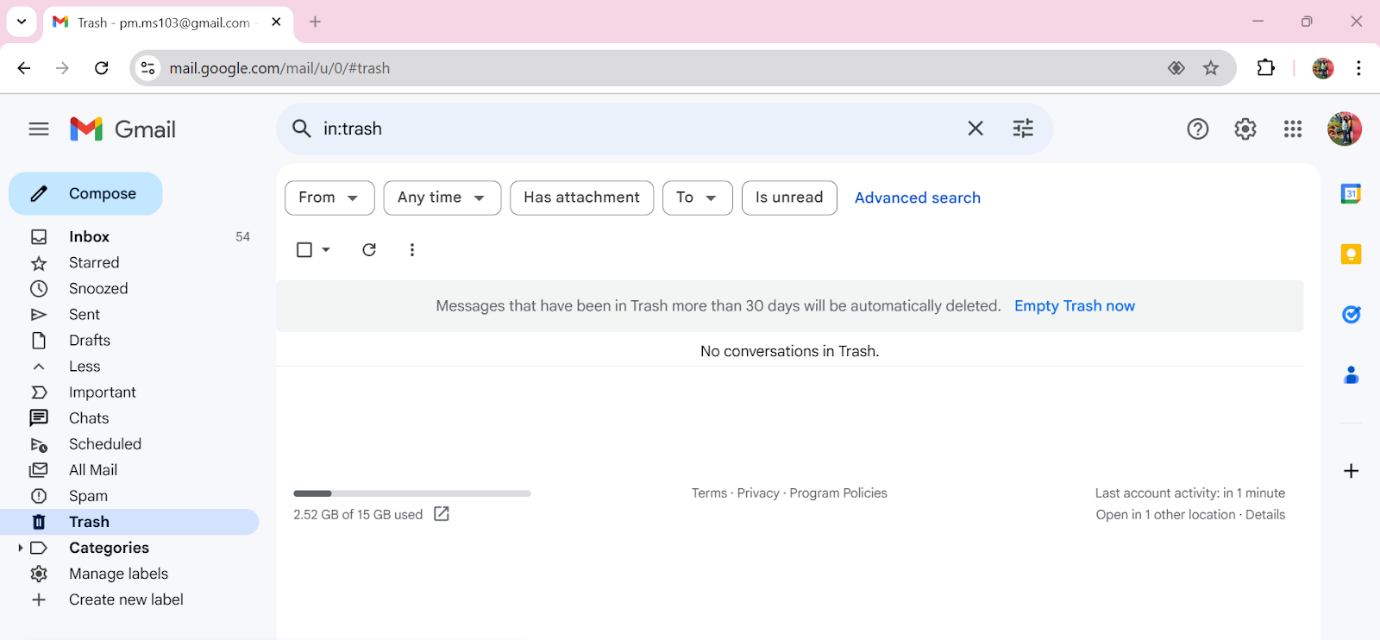




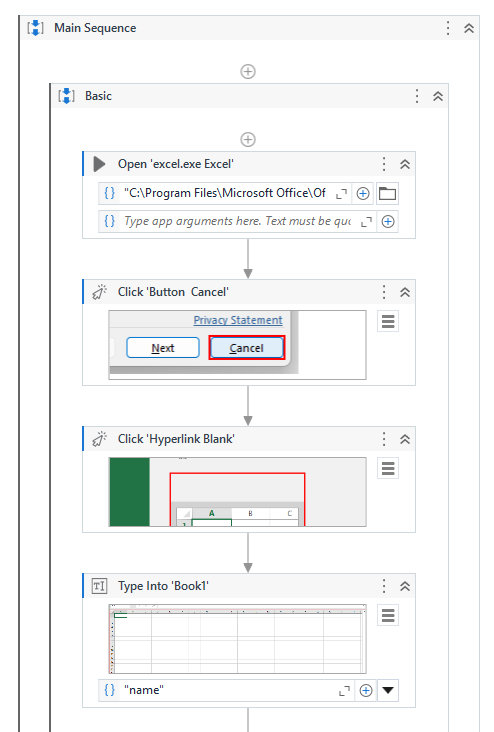


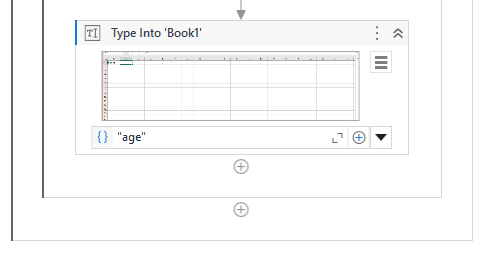
**Output:**



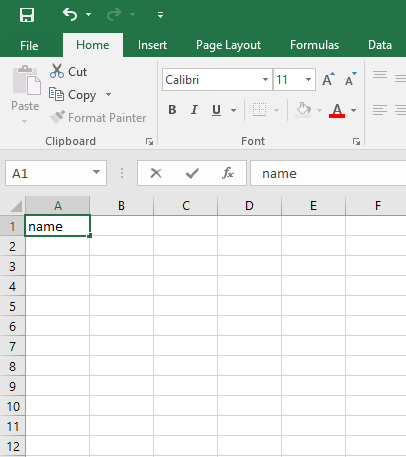


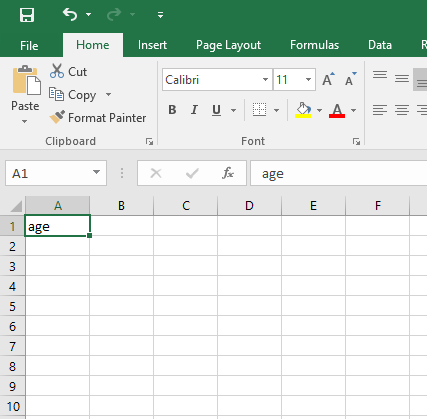
**F.)** Automate any process using basic recording.



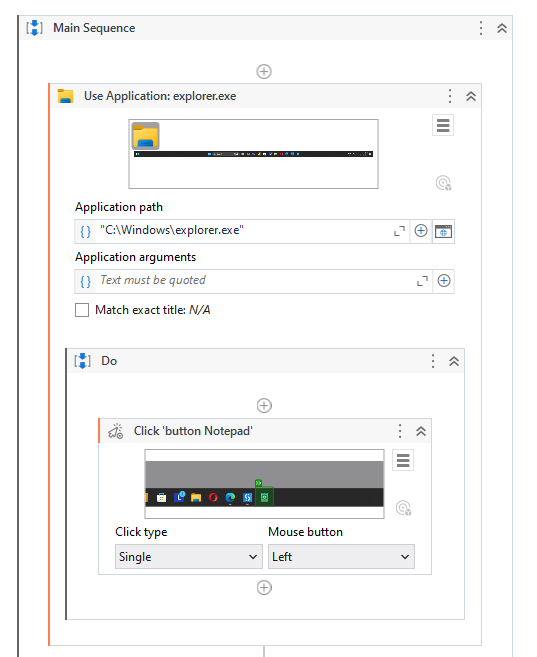


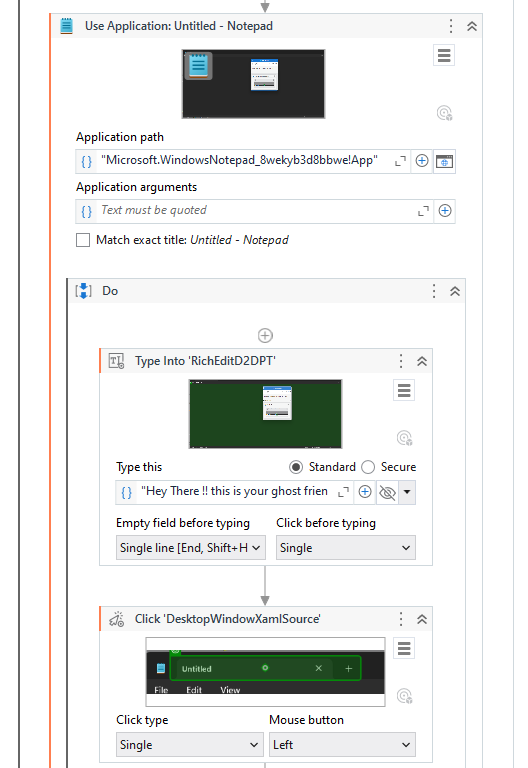
**Output:**

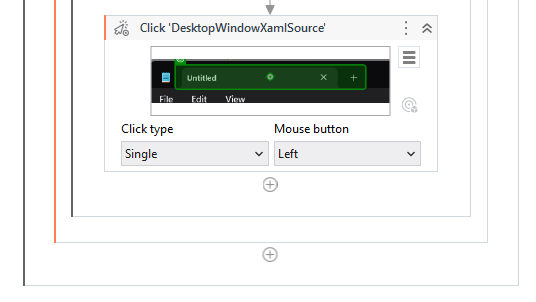




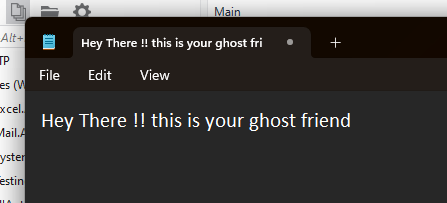
**G.)** Automate any process using desktop recording.



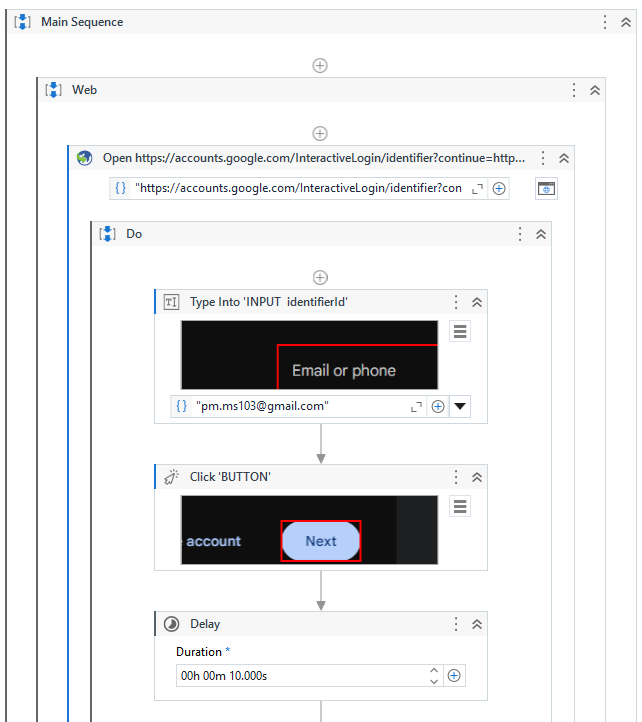


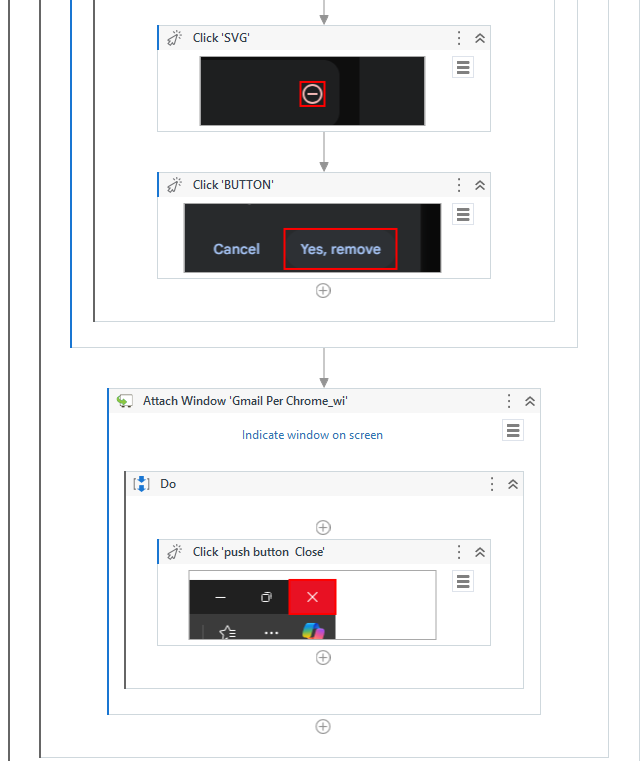


**Output:**

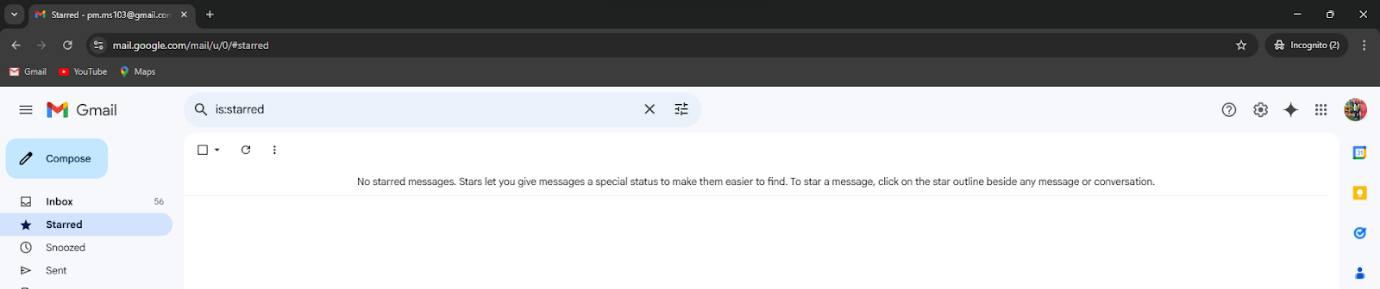


**H.)**  Automate any process using web recording.



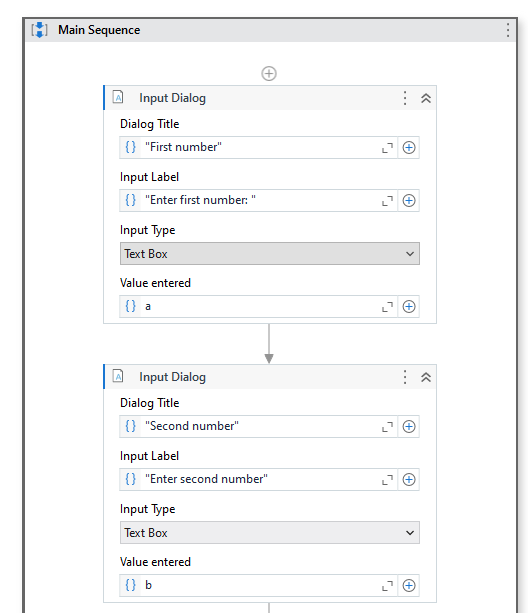


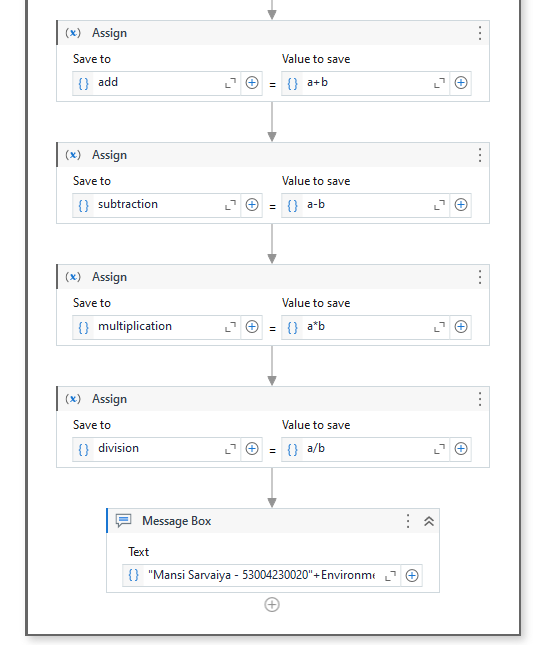
**Output:**

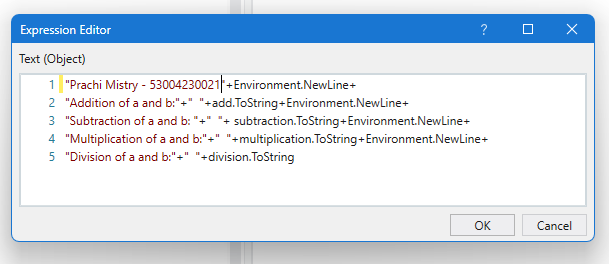


**Practical II**

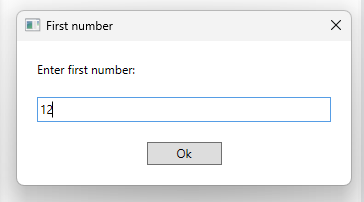
**A)** Automate UiPath Number Calculation (Subtraction, Multiplication, Division of numbers).

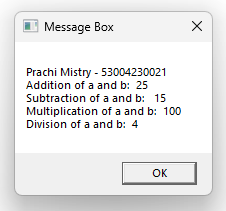
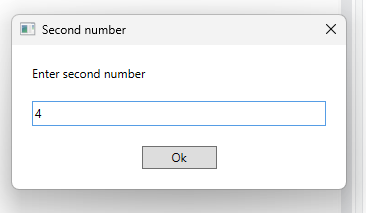






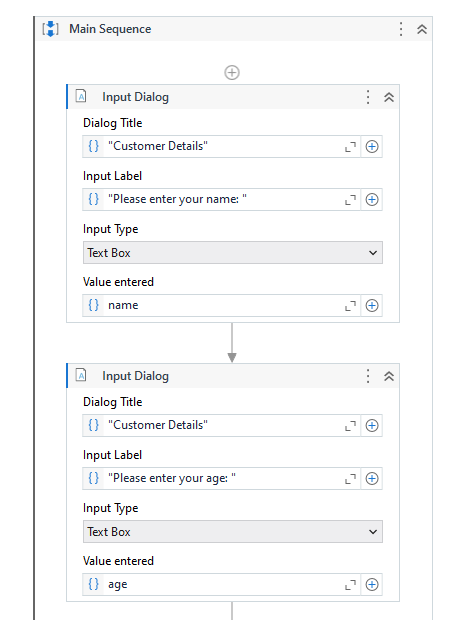
**Output:**

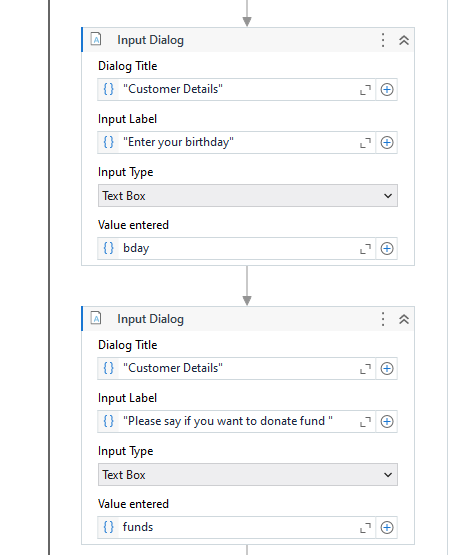


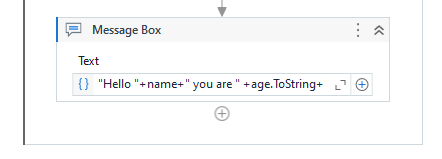


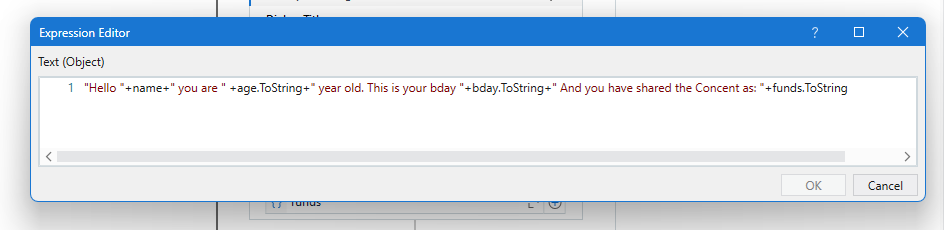
**B.)** Create an automation UiPath project using different types of variables (number, datetime, Boolean, generic, array, data table).

**I) Number, datetime, Boolean, generic**

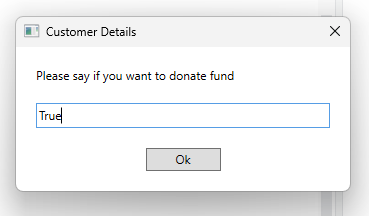
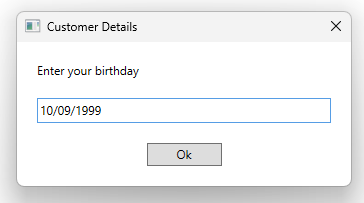
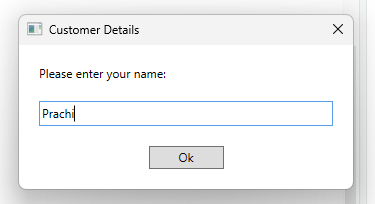


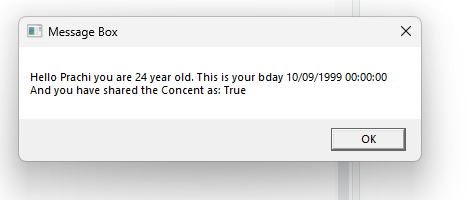




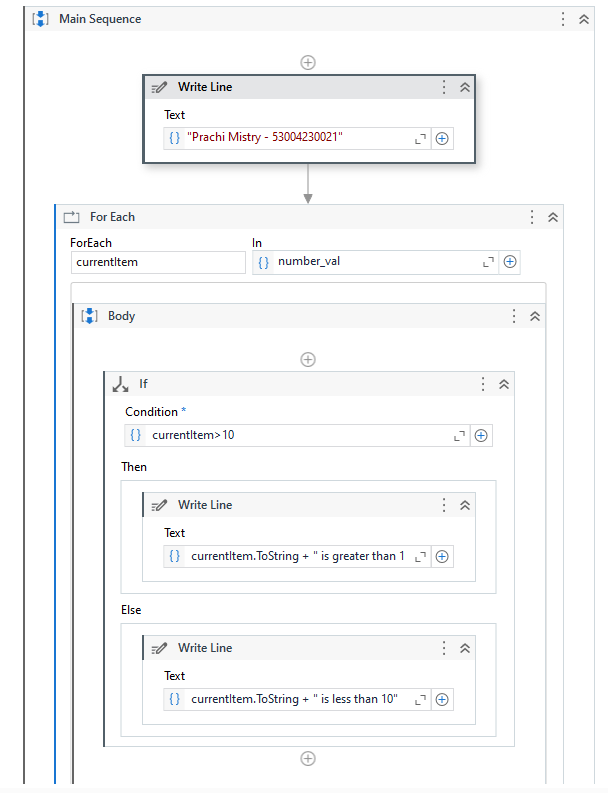


**Output:**

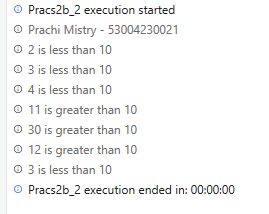




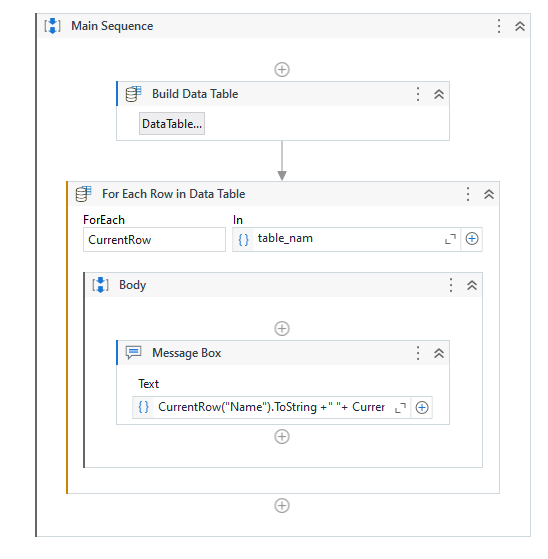
**II) Array**

. 

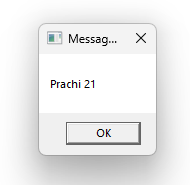
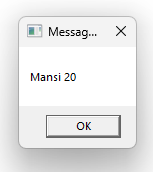
**Output:**



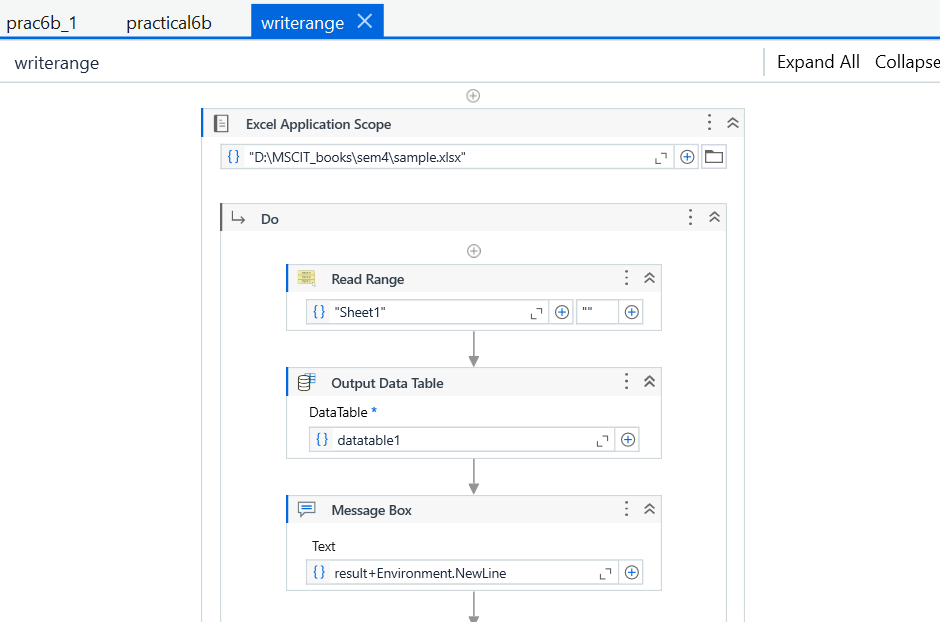
**III) Data Table**

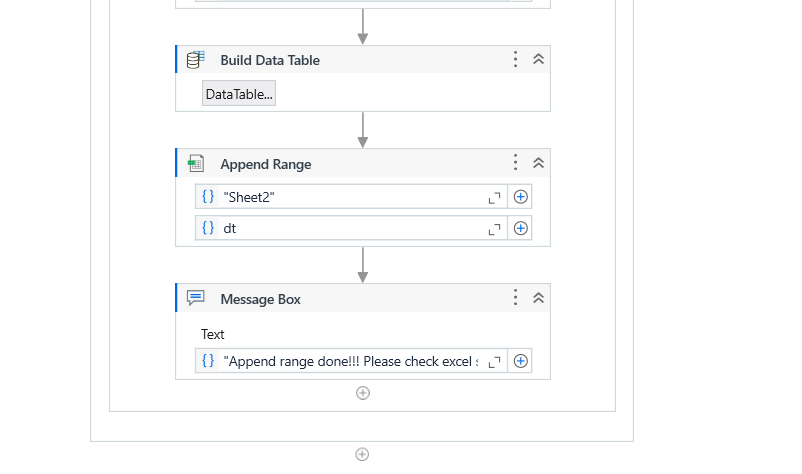


**Output:**



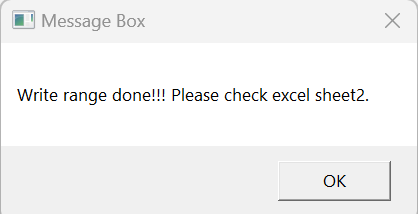
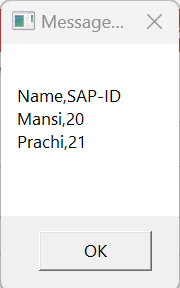
**C)** Create an application automating the read, write and append operation on excel file.



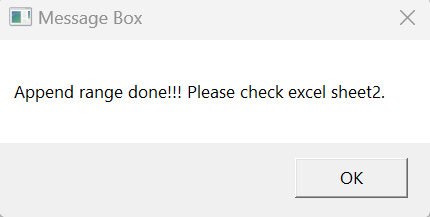


**Output:**

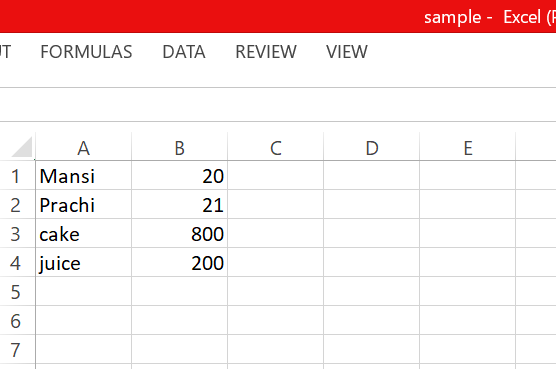
         Read Range                     Write Range



Append Range

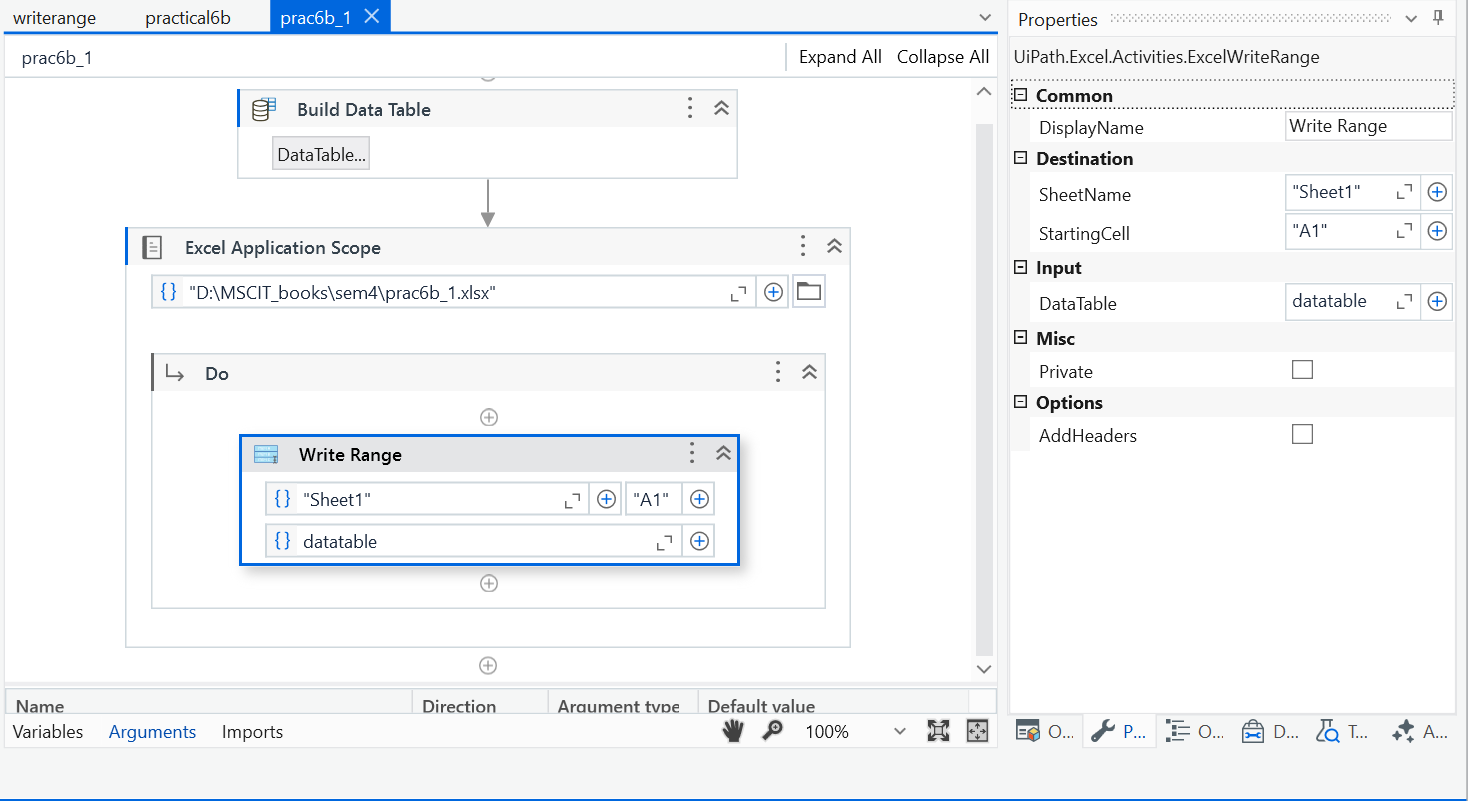


Excel Sheet

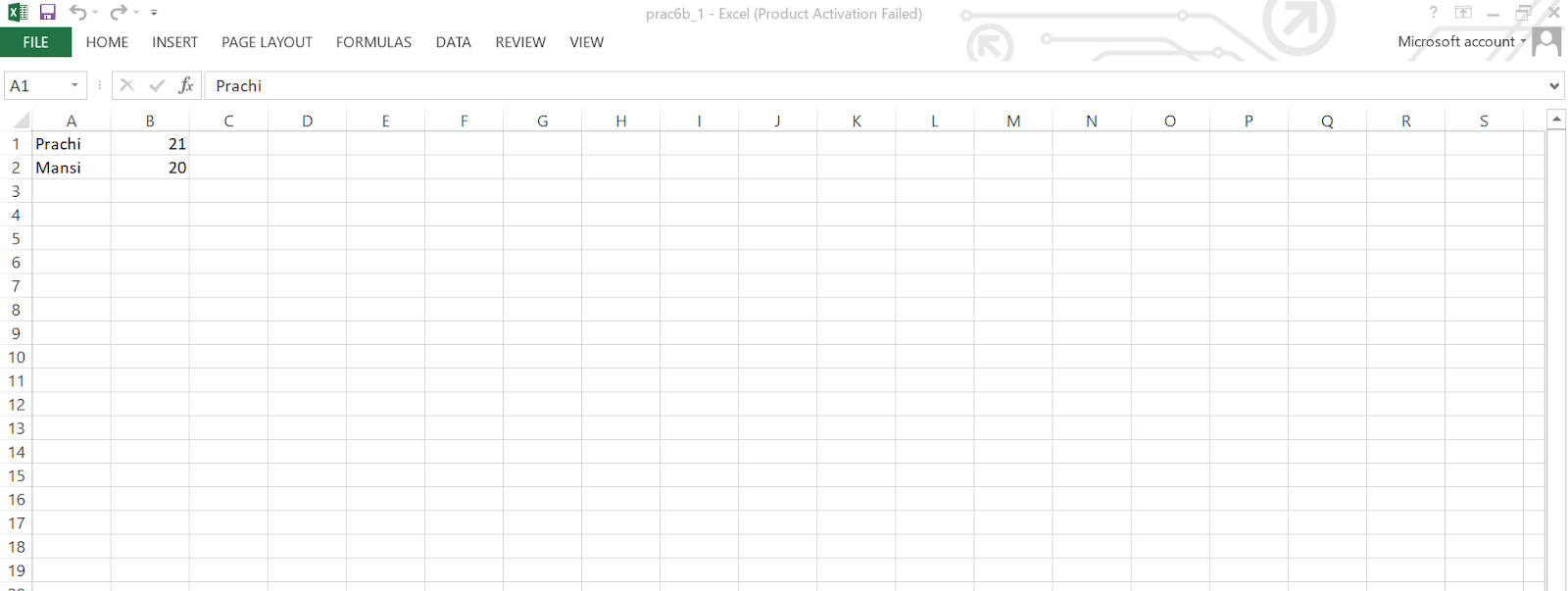


**D)** Automate the process to extract data from an excel file into a data table and vice versa.

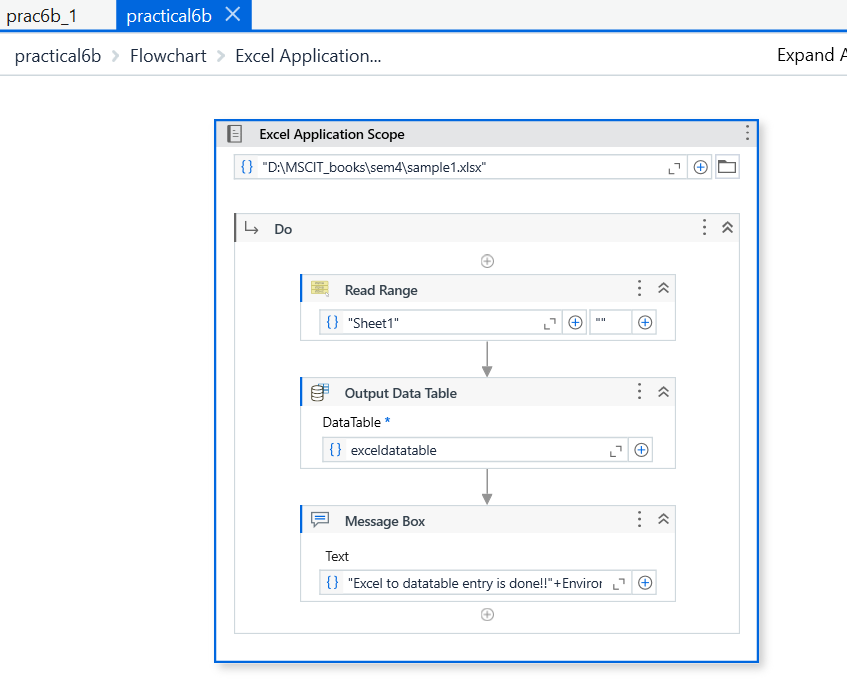
**From data table to excel.**



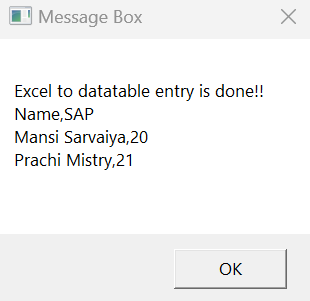
**Output:**



**From excel to data table.**

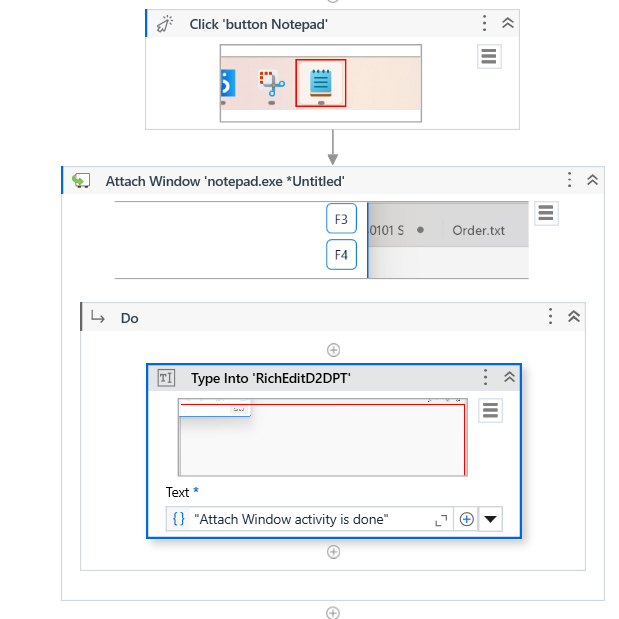


**Output:**

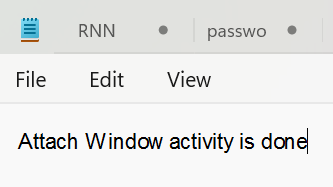


**PRACTICAL III**

1. Implement the attach window activity.

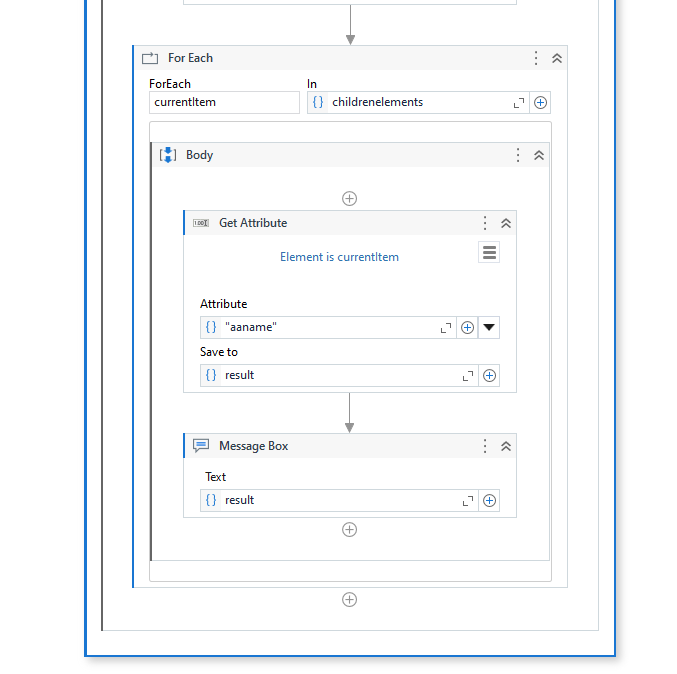
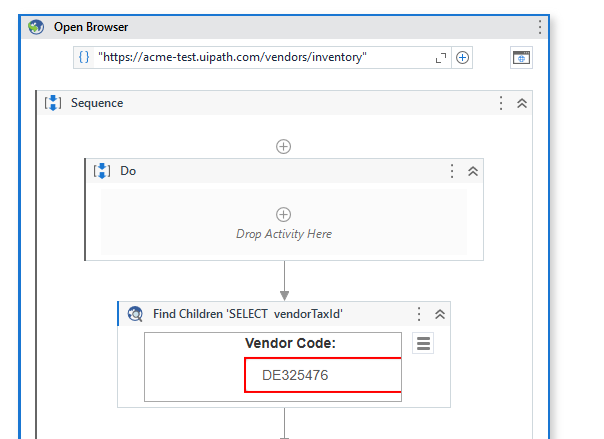


**Output:**

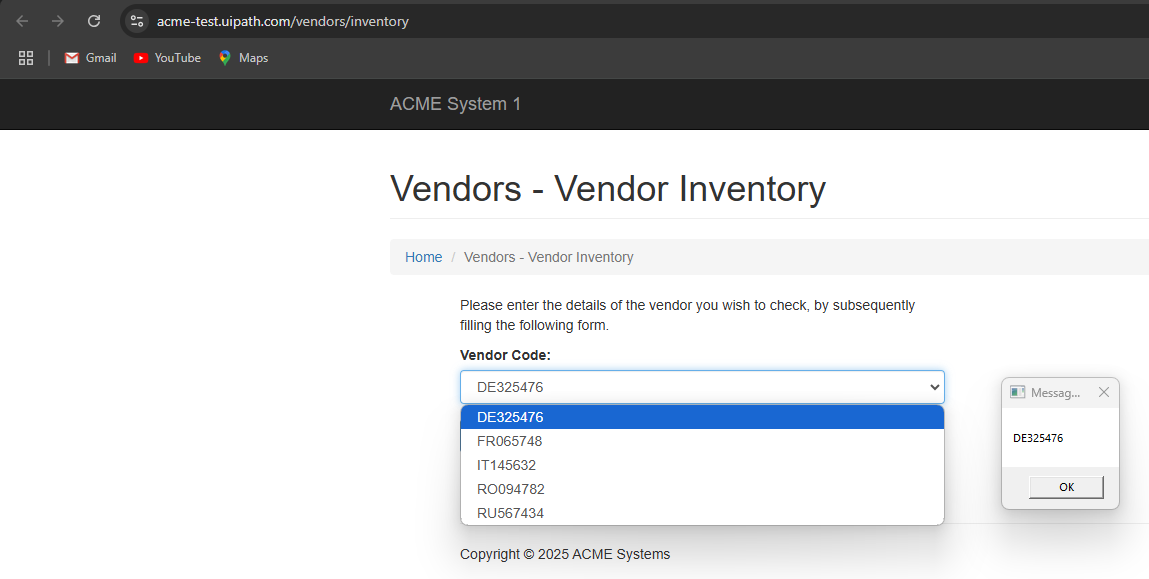


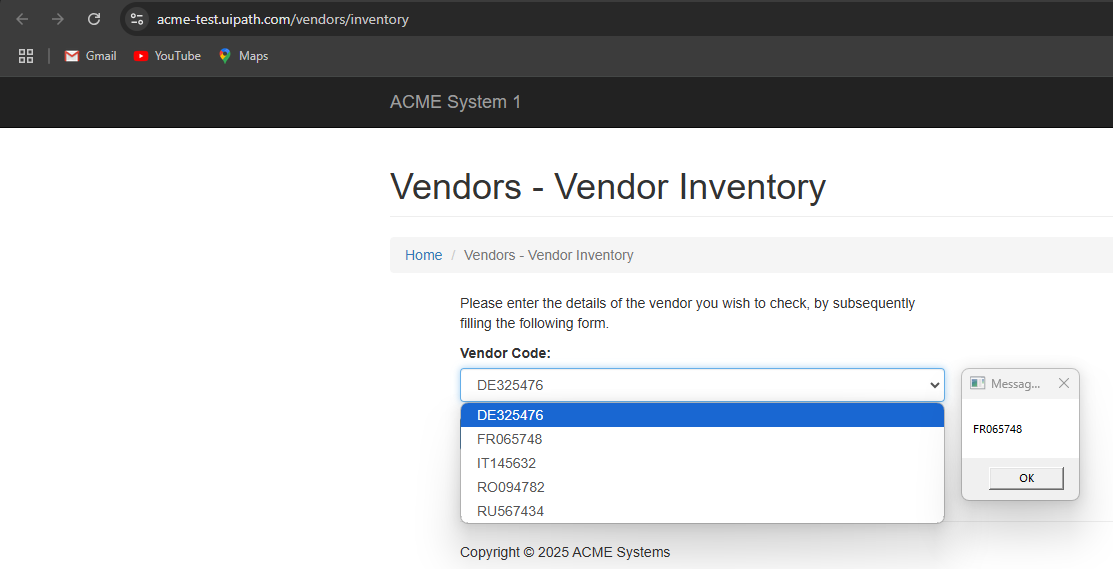
1. Find different controls using UiPath

**I.) Find children**

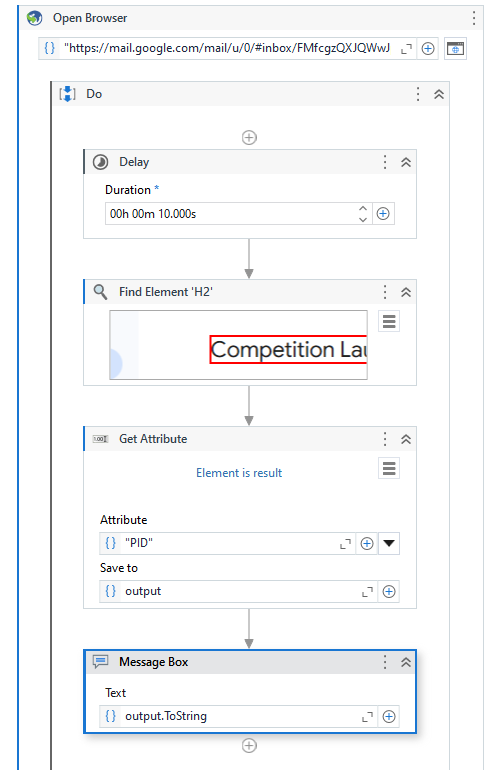


**Output:**

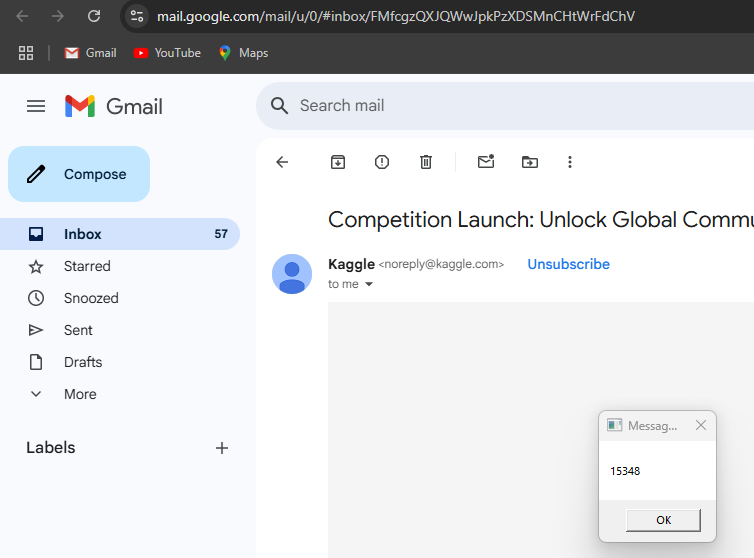




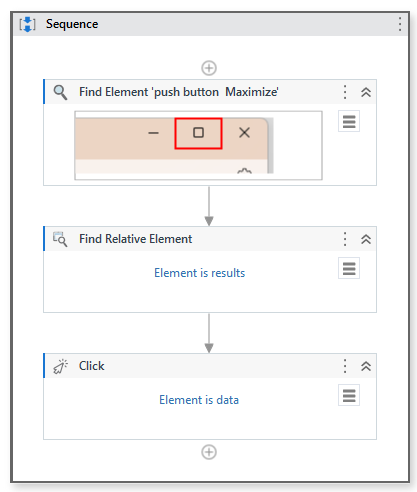
**II.) Find Element**



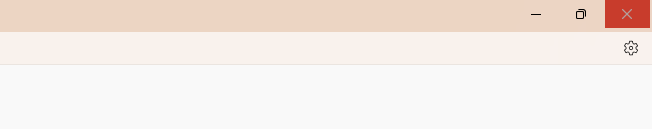
**Output**



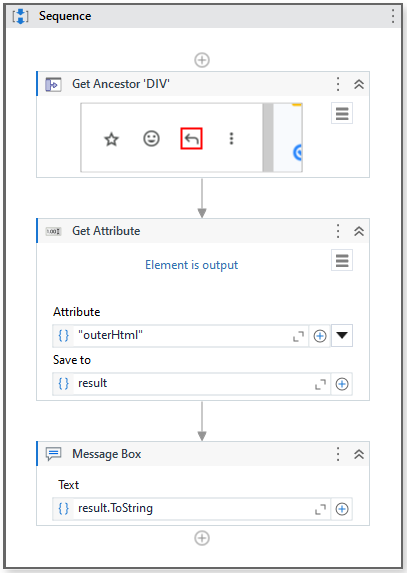
**III.) Find relative Element**



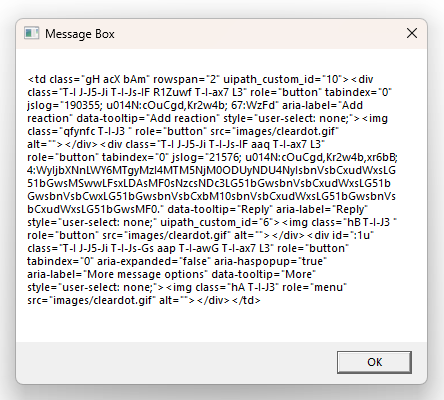
**Output:**



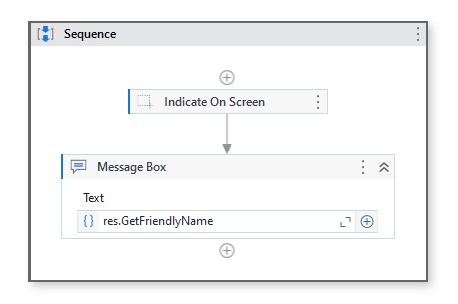
**IV.) Get Ancestor**



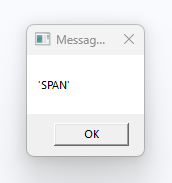
**Output:**



**V.) Indicate on screen**



**Output:**



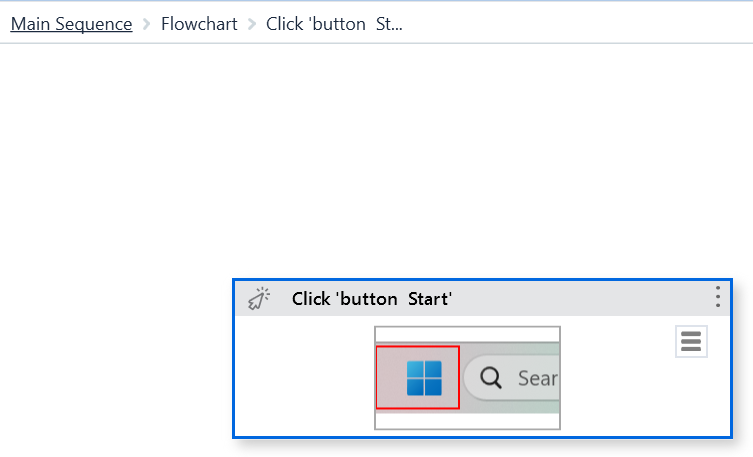
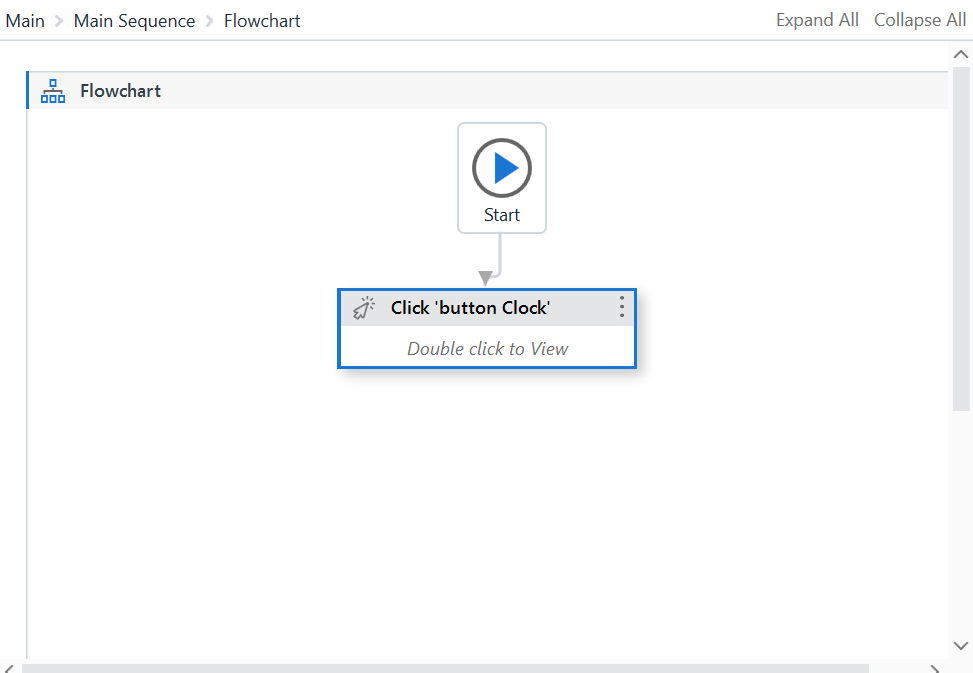
**C)** Demonstrate the following activities in UiPath:

i. Mouse (click, double click and hover)

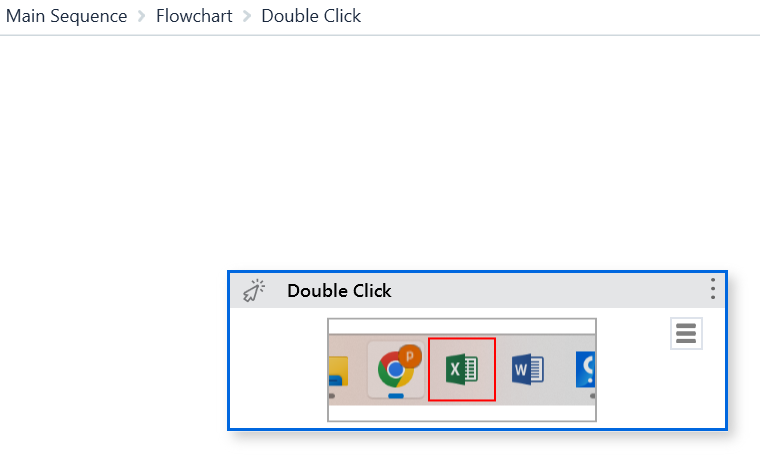
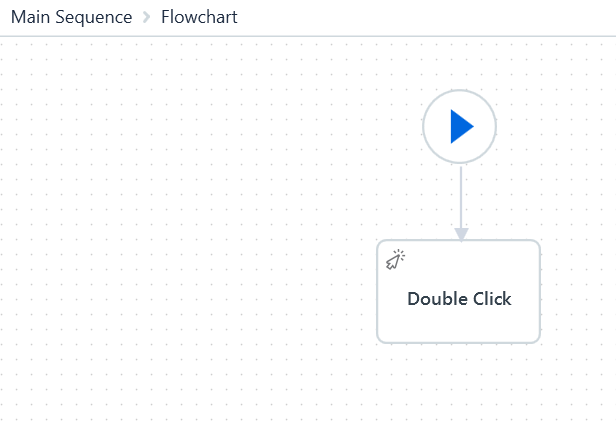
ii. Type into

iii. Type Secure text

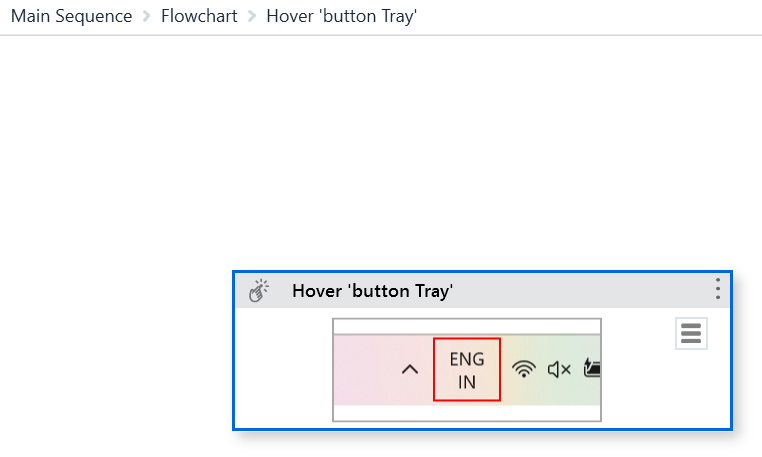
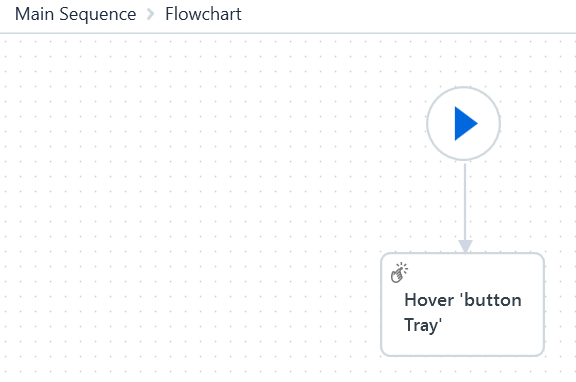
**Mouse (Click)**



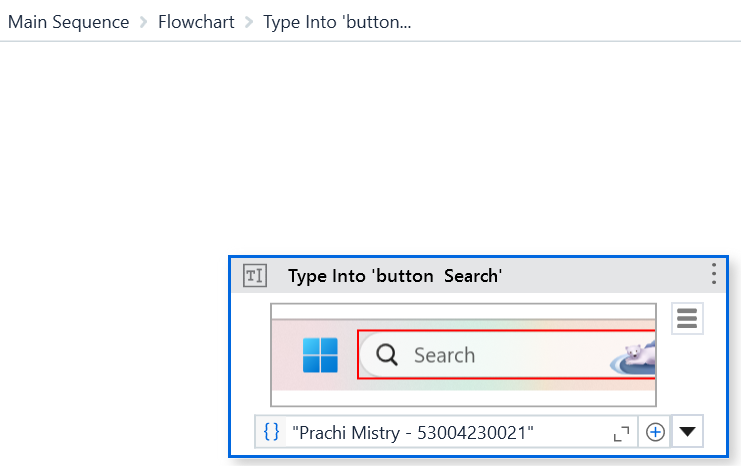
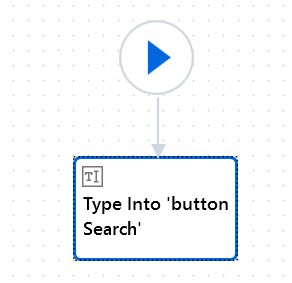
**Mouse (Double Click)**



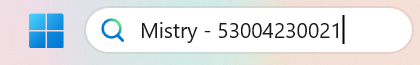
**Mouse (Hover)**



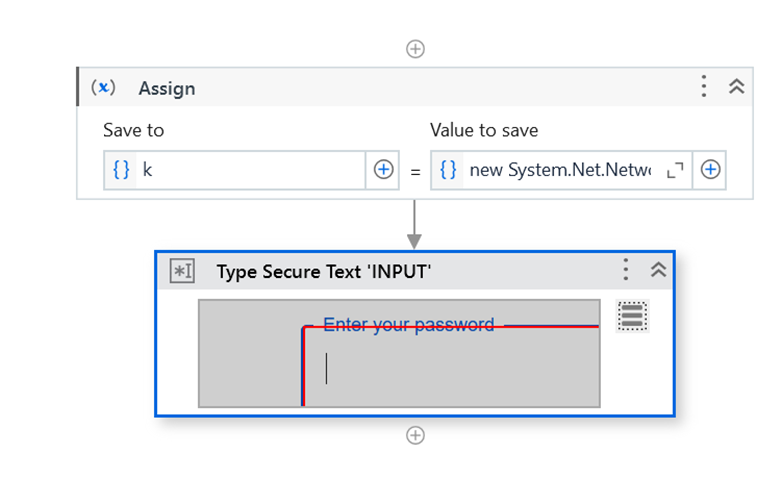
**II.)** **Type into**

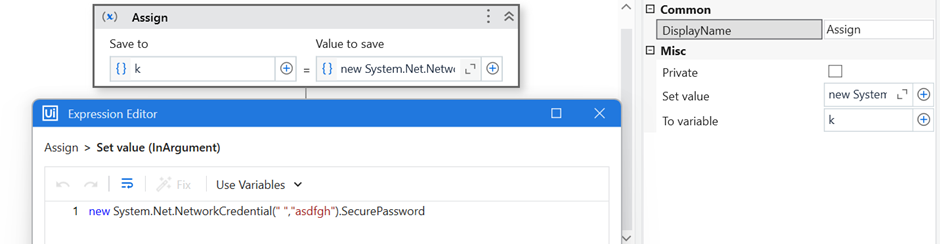


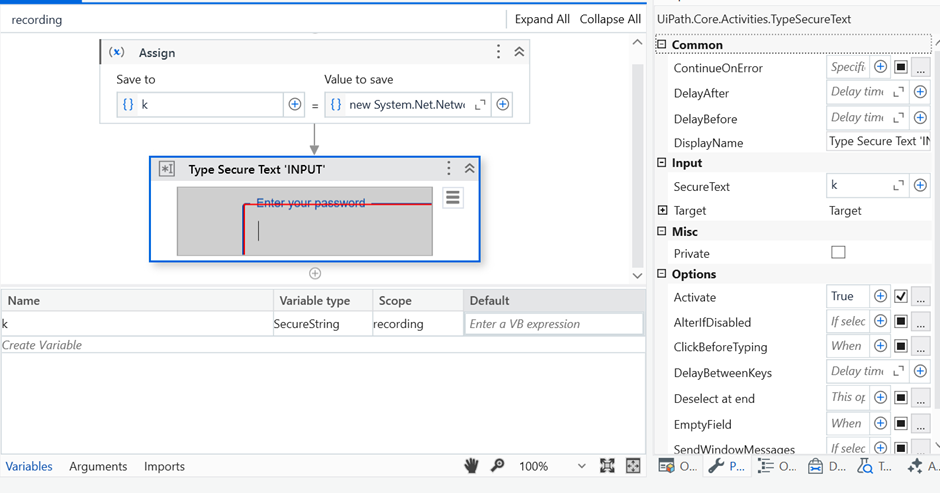
**Output:**



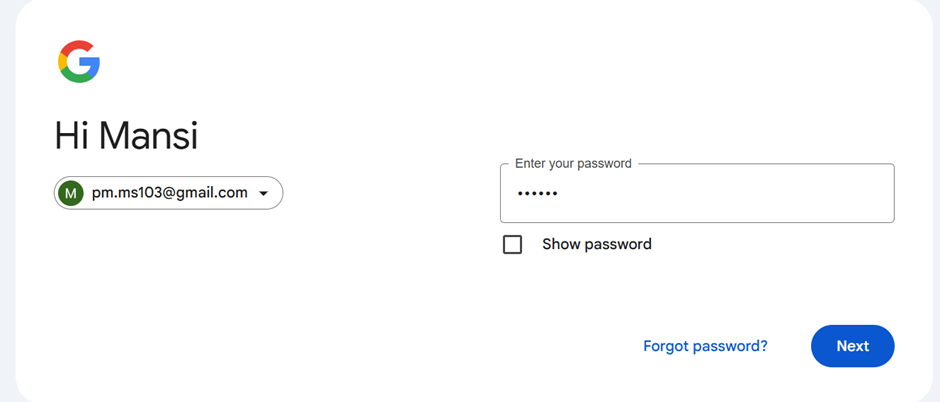
**III.) Type Secure text**







**Output**



**D)** Demonstrate the following events in UiPath:

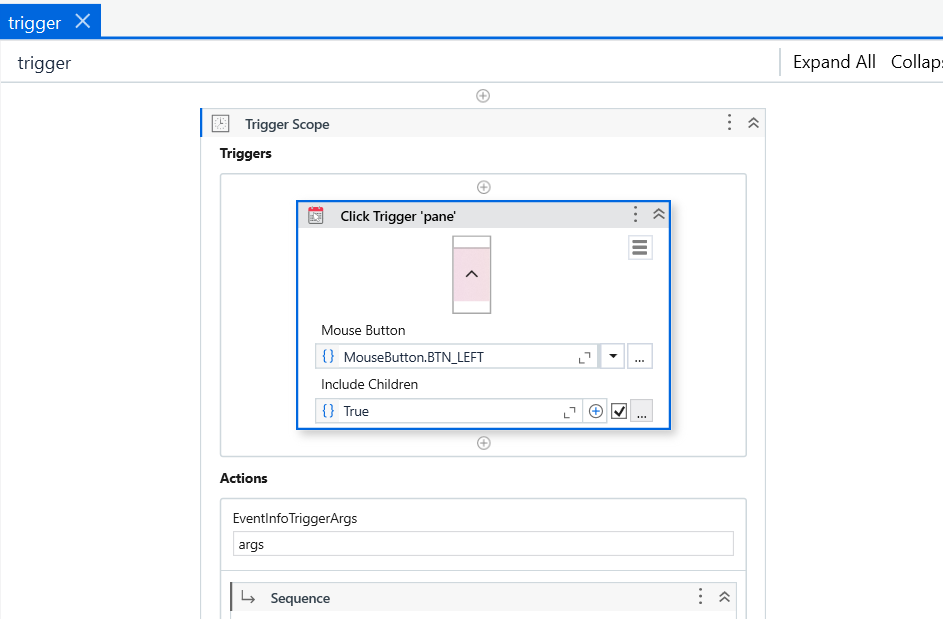
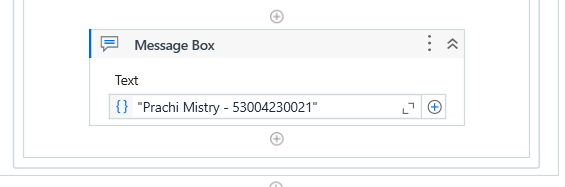
i. Element triggering event

ii. Image triggering event

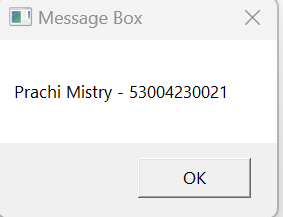
iii. System Triggering Event

**I.) Element triggering event**

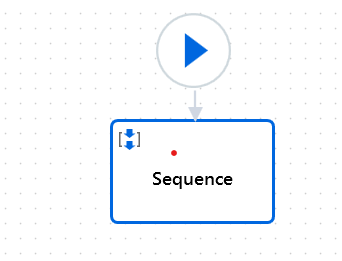
**Click Trigger**

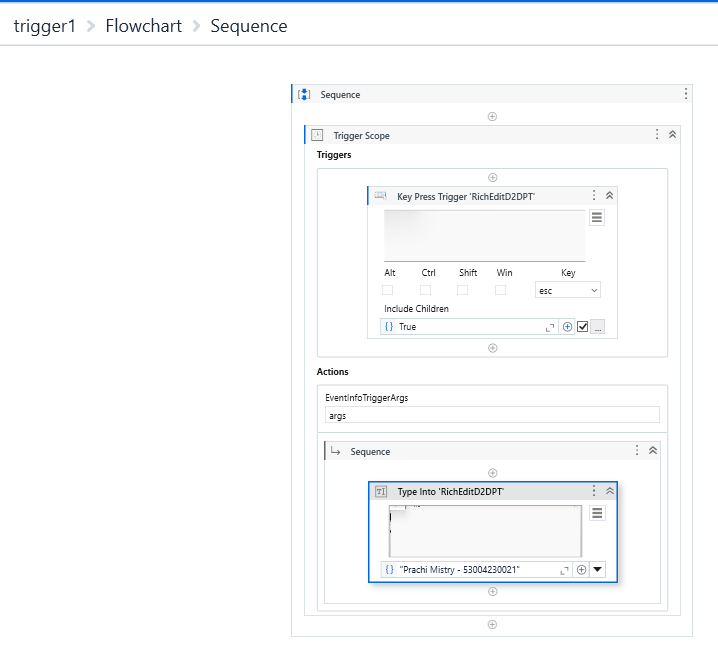
 

**Output**

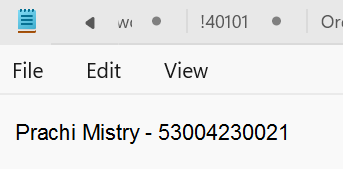


**Key press trigger**

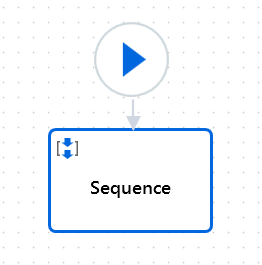


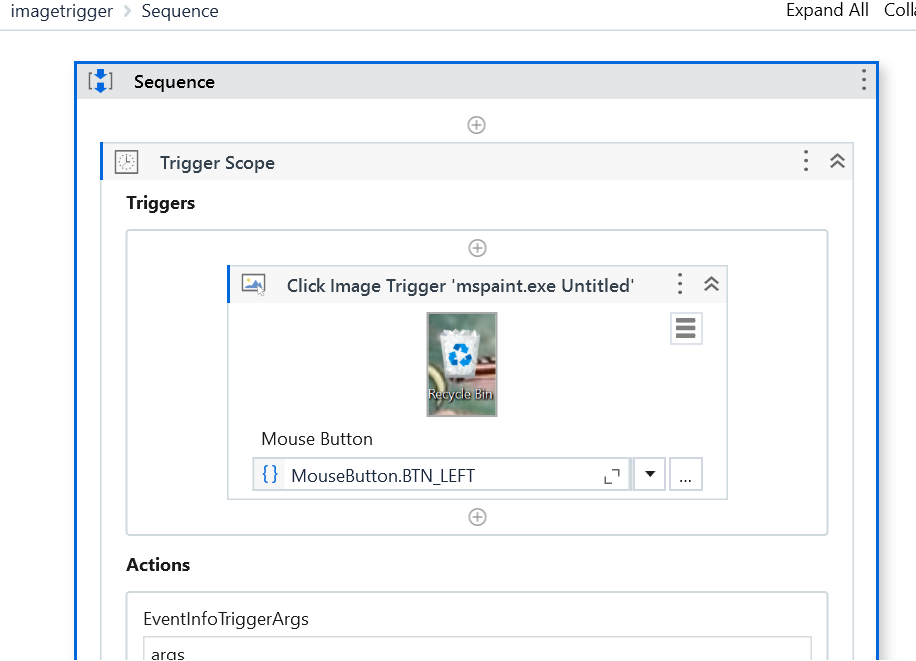


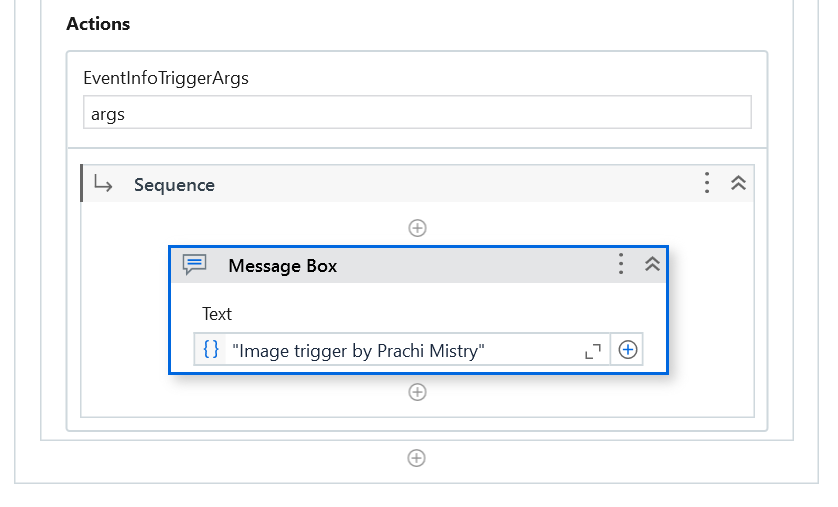
**Output**



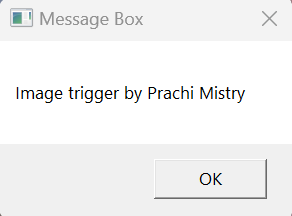
**II.) Image click trigger**





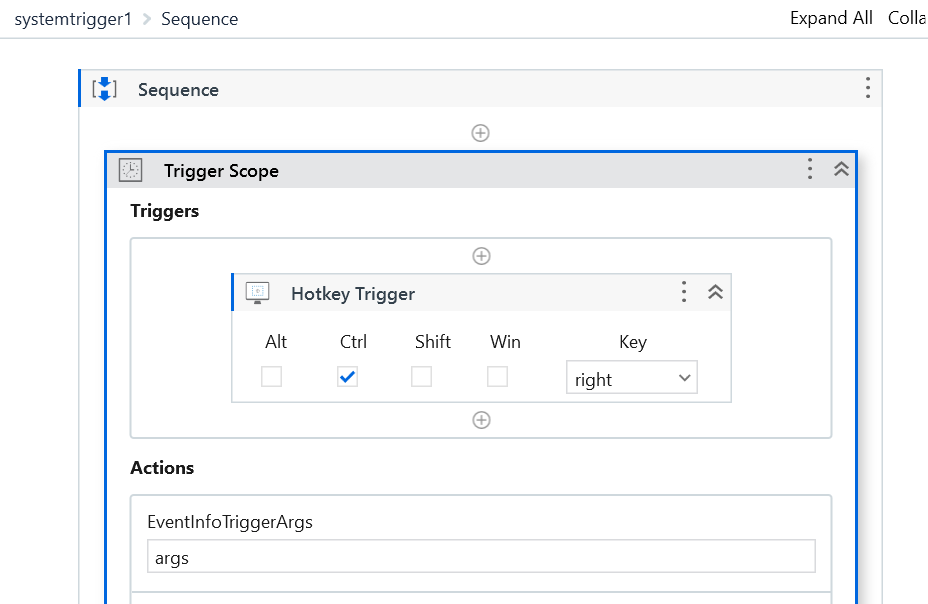


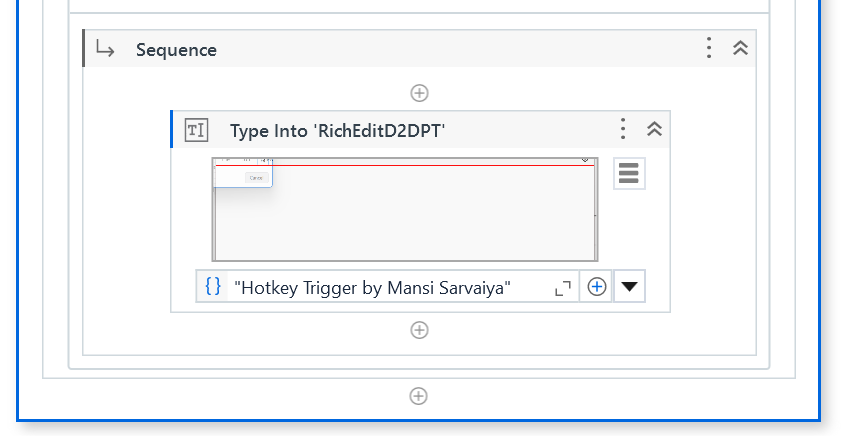
**Output:**



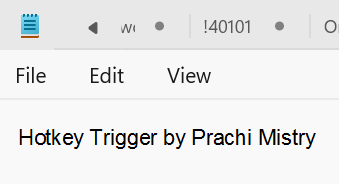
**III.) System Trigger**

**Hotkey Trigger**

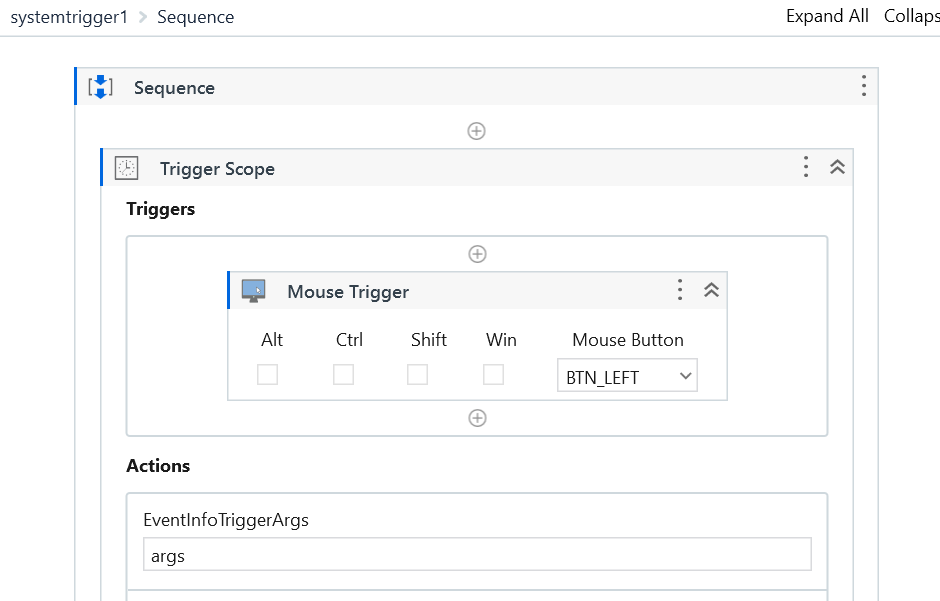


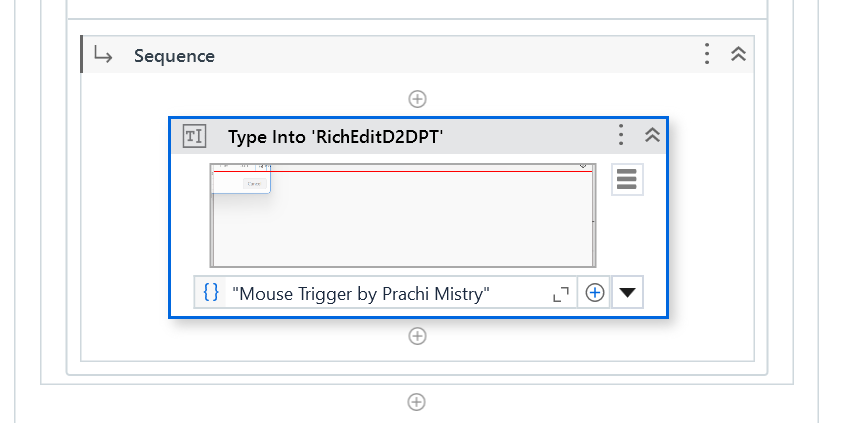


**Output**

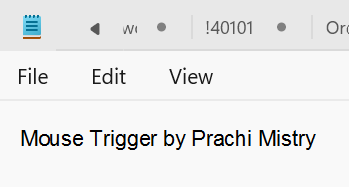


**Mouse Trigger**

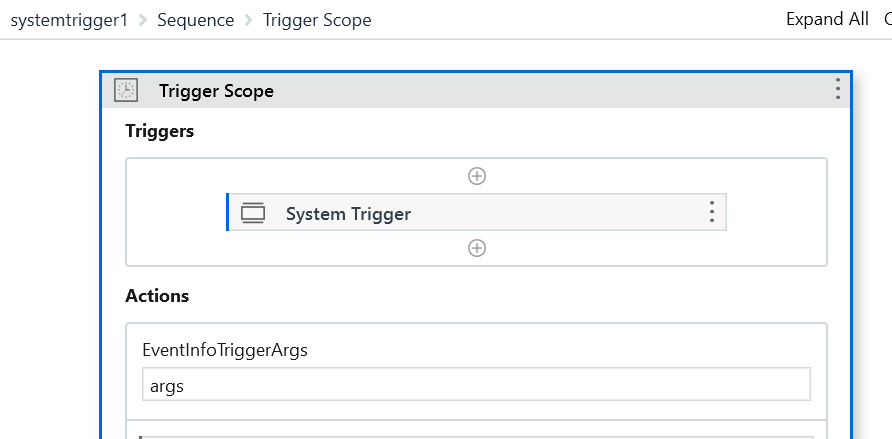


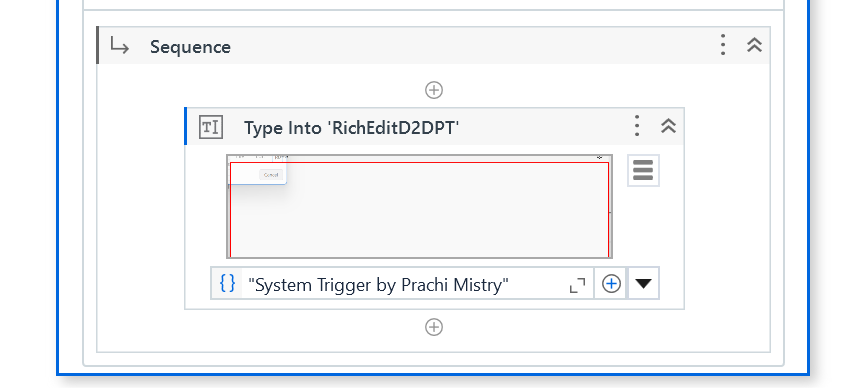


**Output**

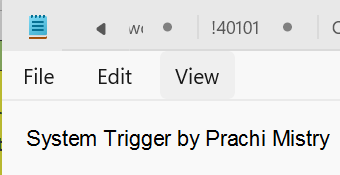


**System Trigger**





**Output :**



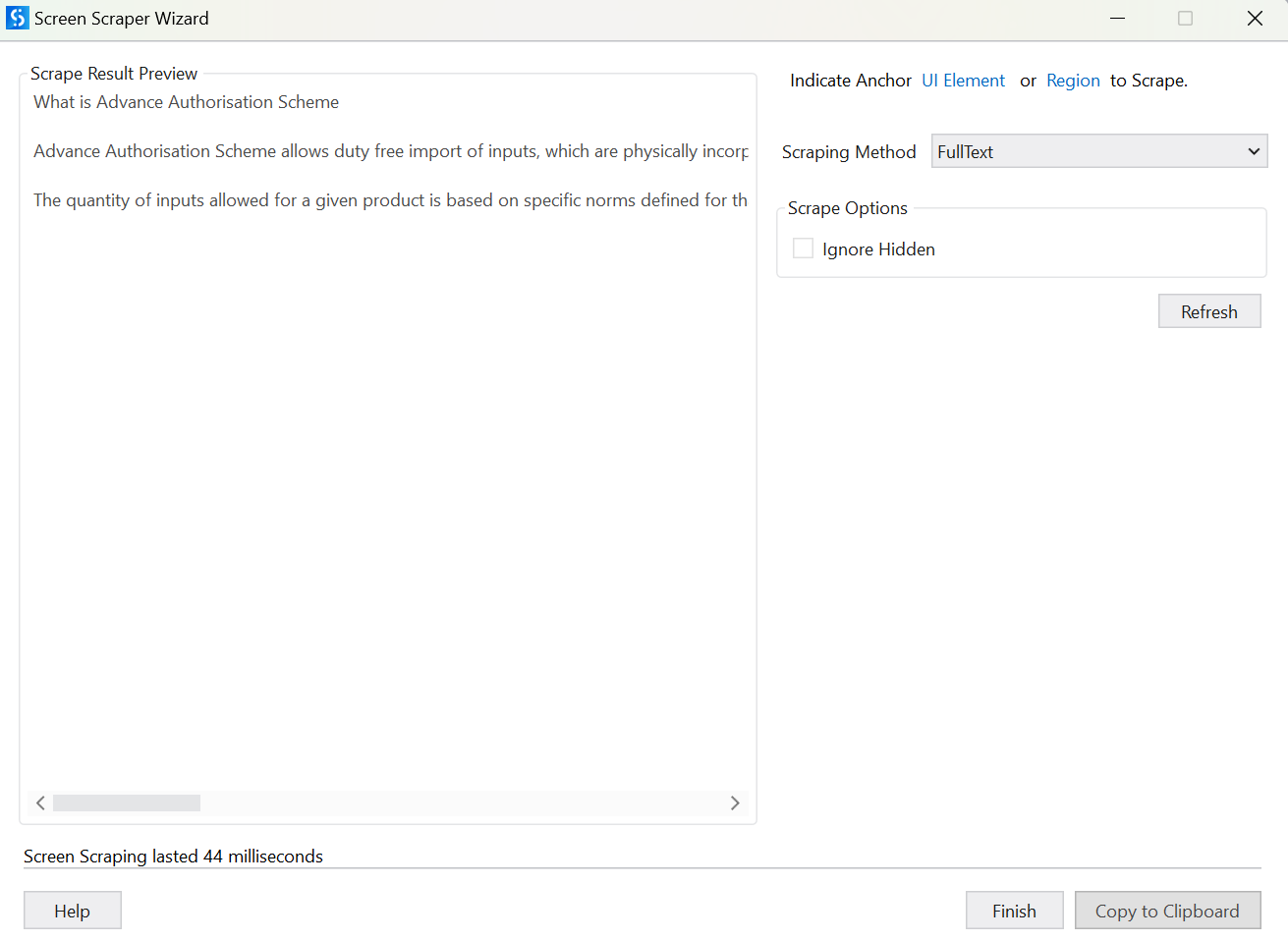
**E)** Automate the following screen scraping methods using UiPath

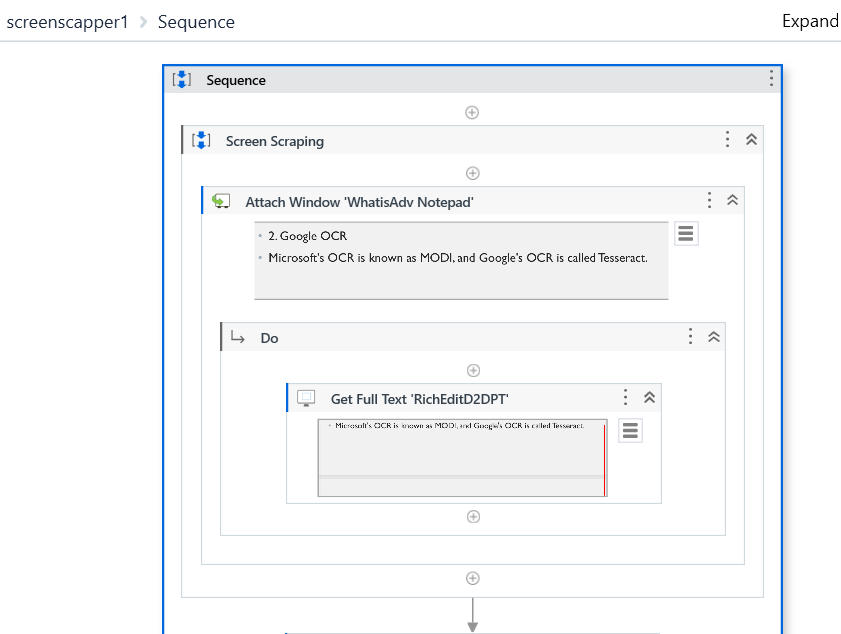
i. Full Test

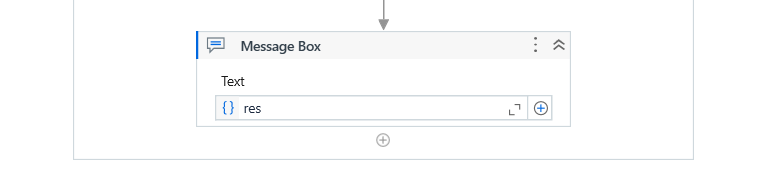
ii. Native

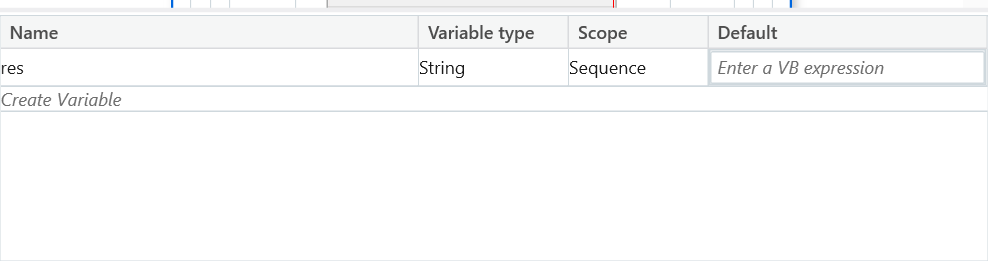
iii. OCR

**I.) Full Test**

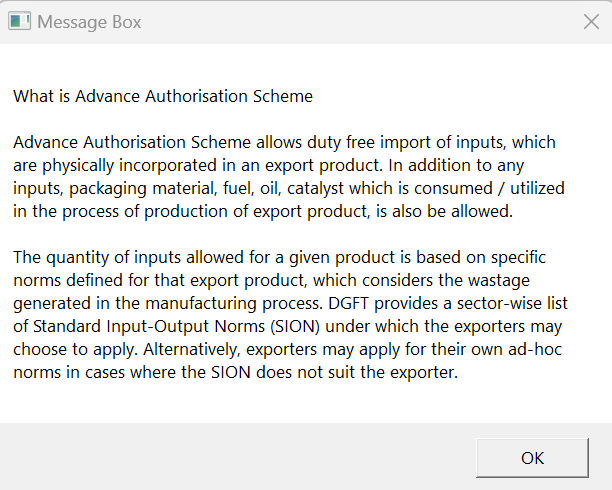




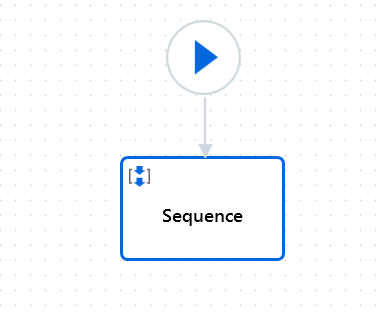


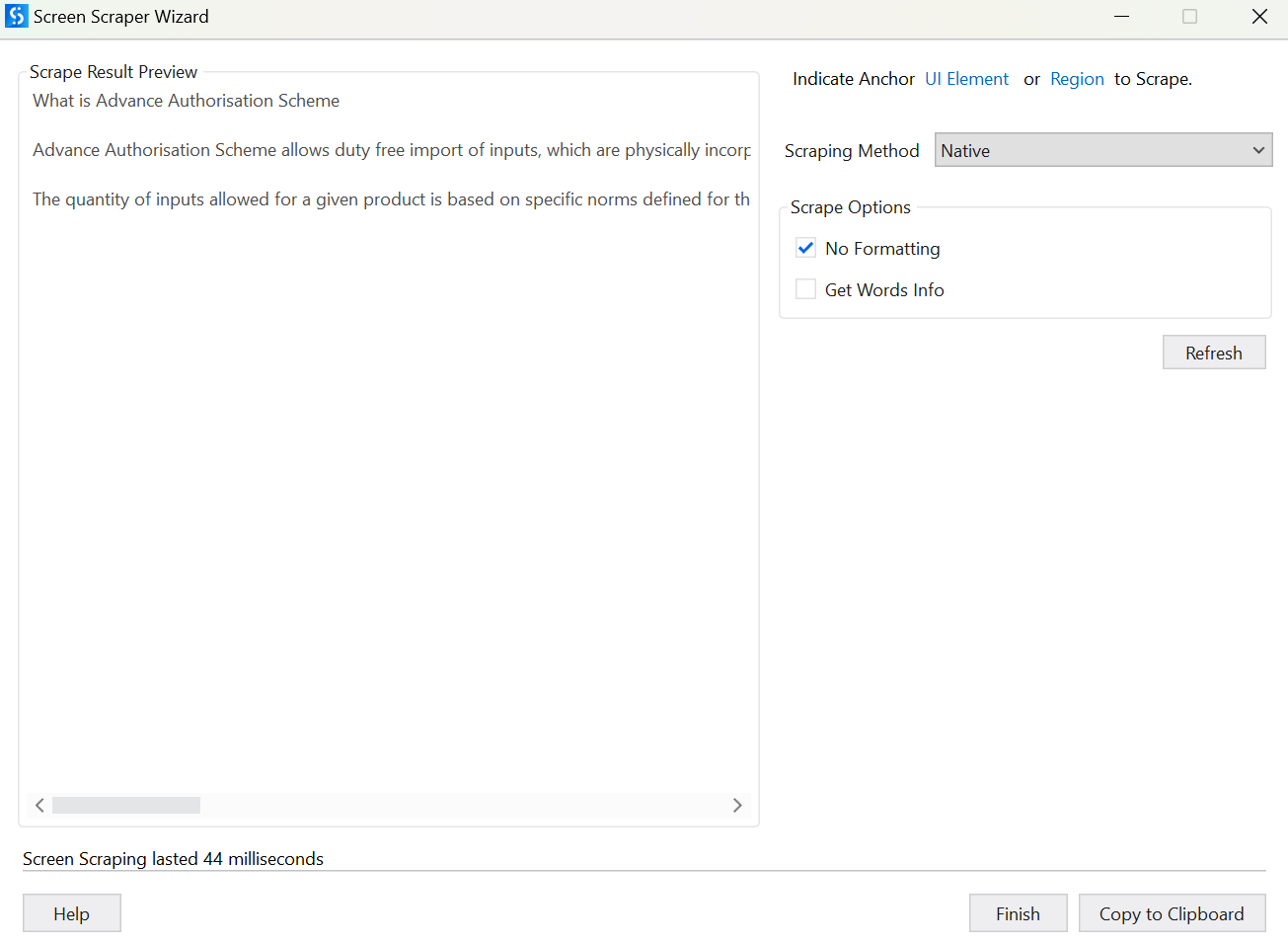


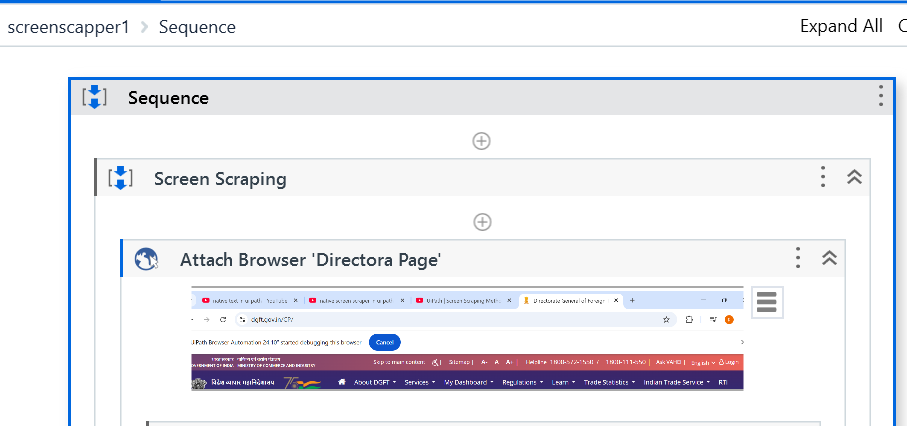
**Output**

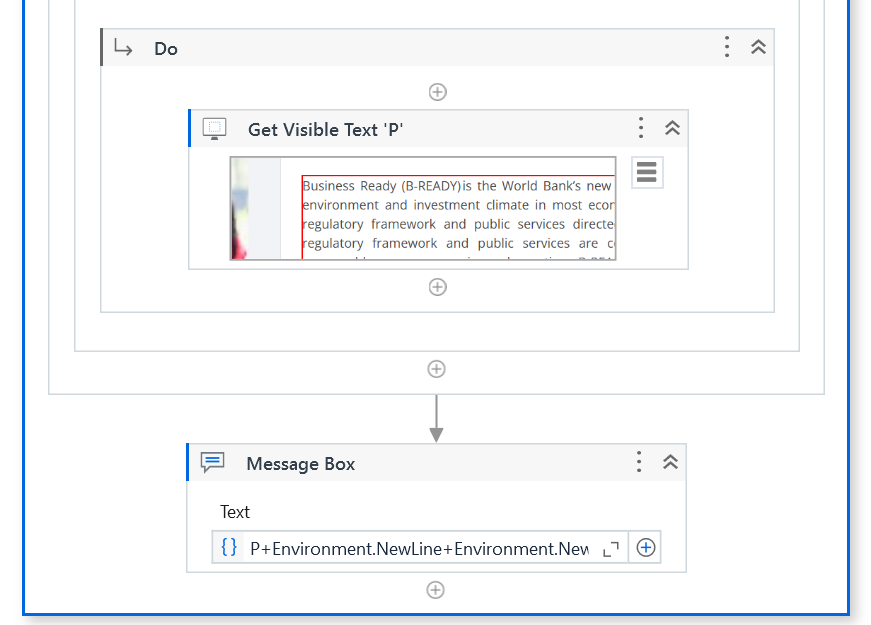


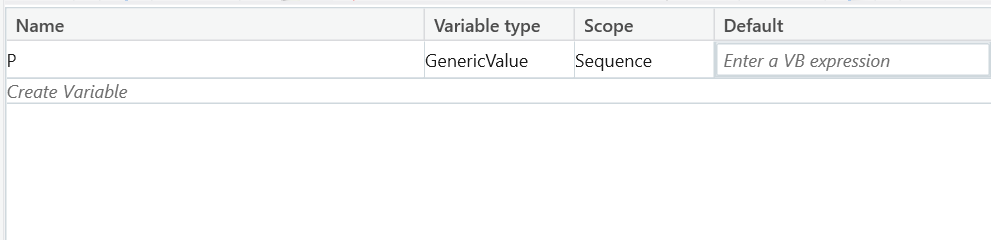
**II.) Native**



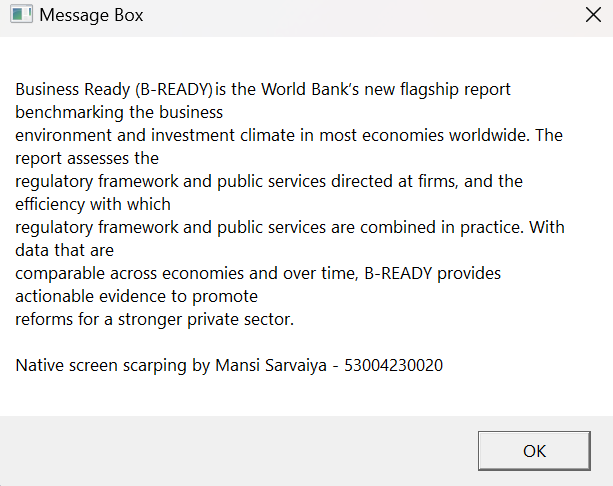






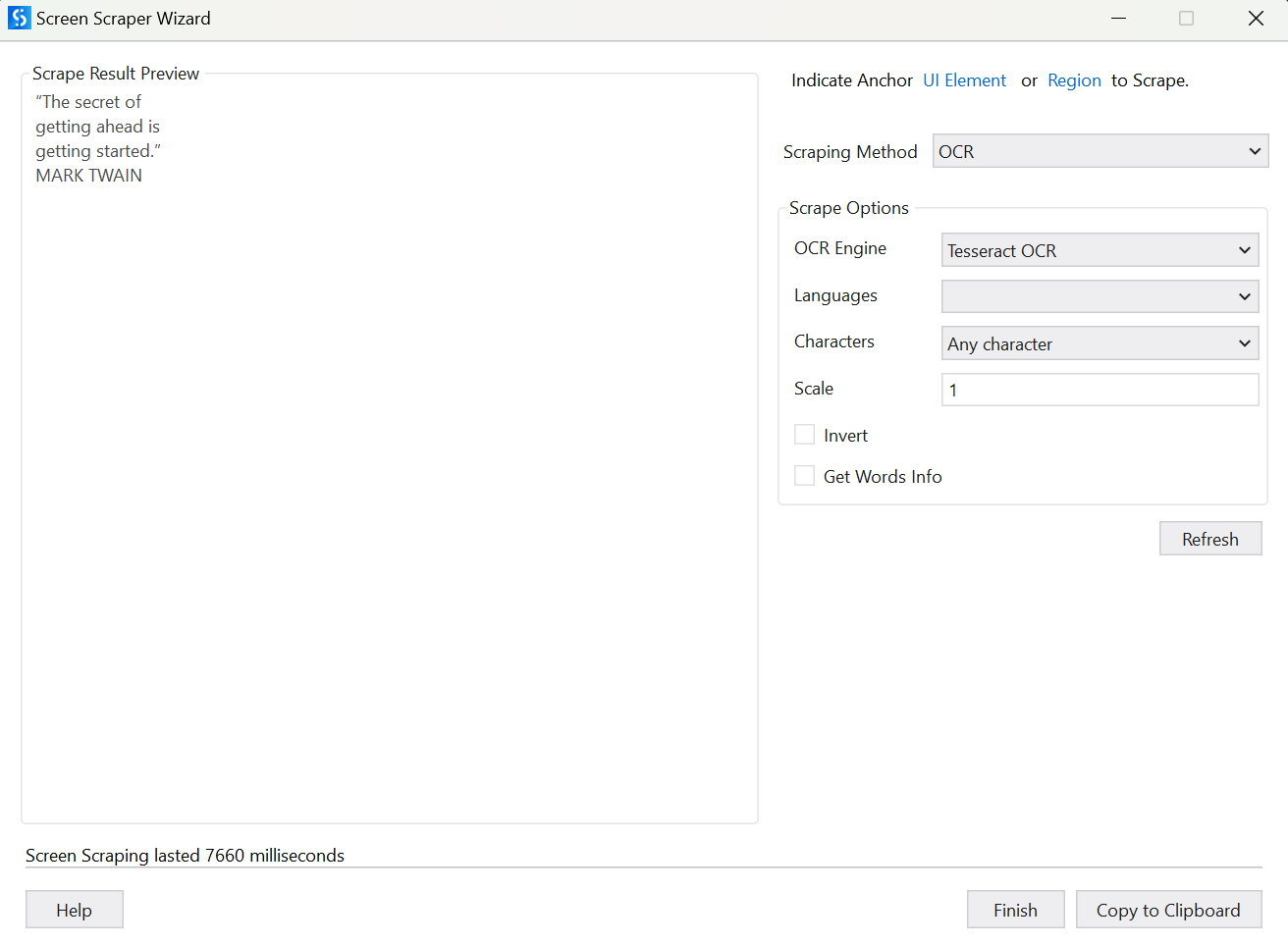


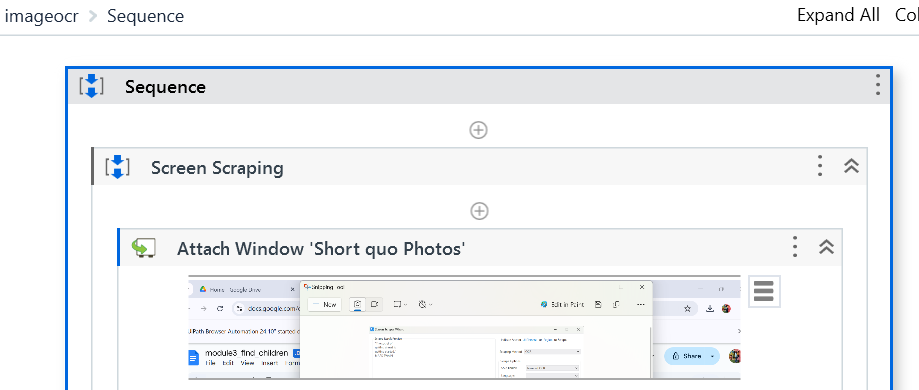
**Output**

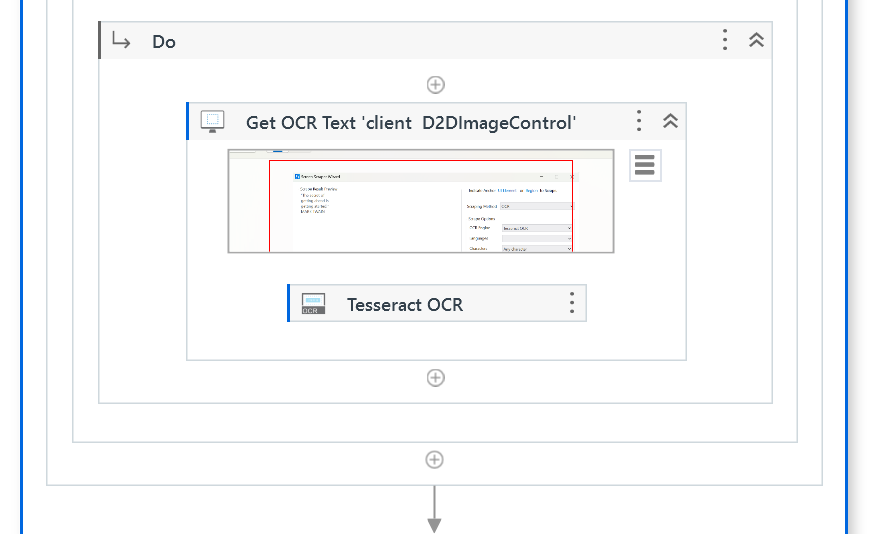


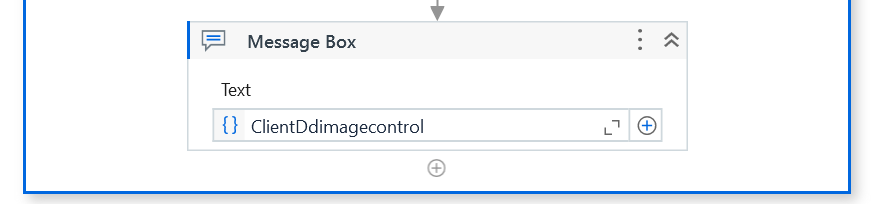
**II.) Image OCR**

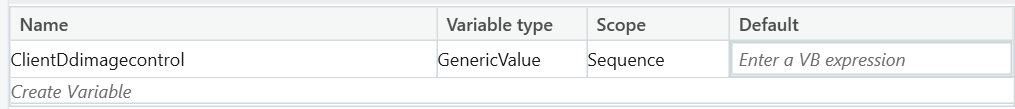






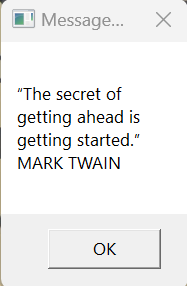




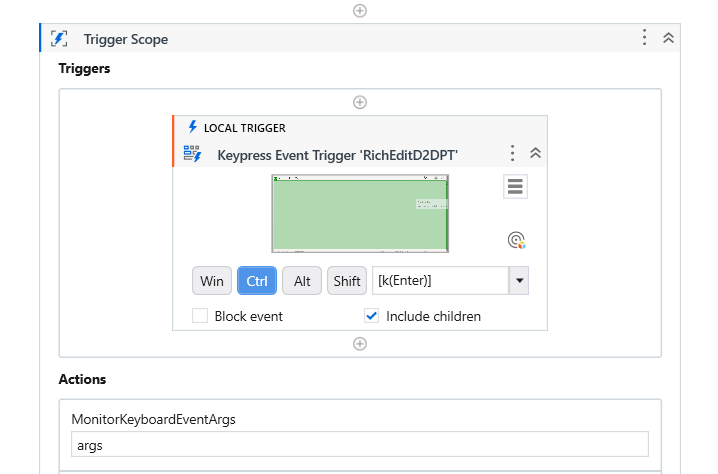


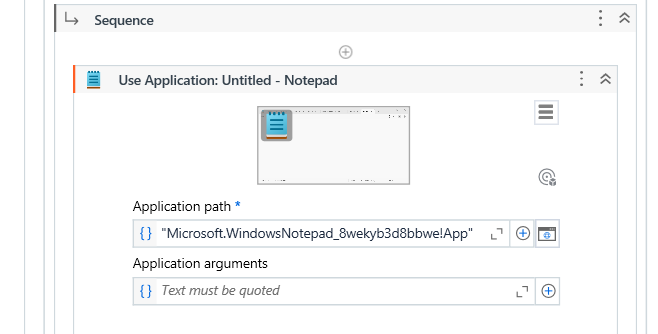


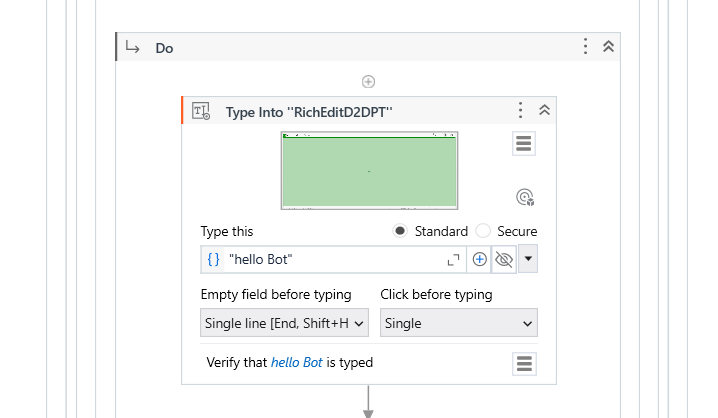
**Output**



**F.)** Automate the process of launching an assistant bot on a keyboard event

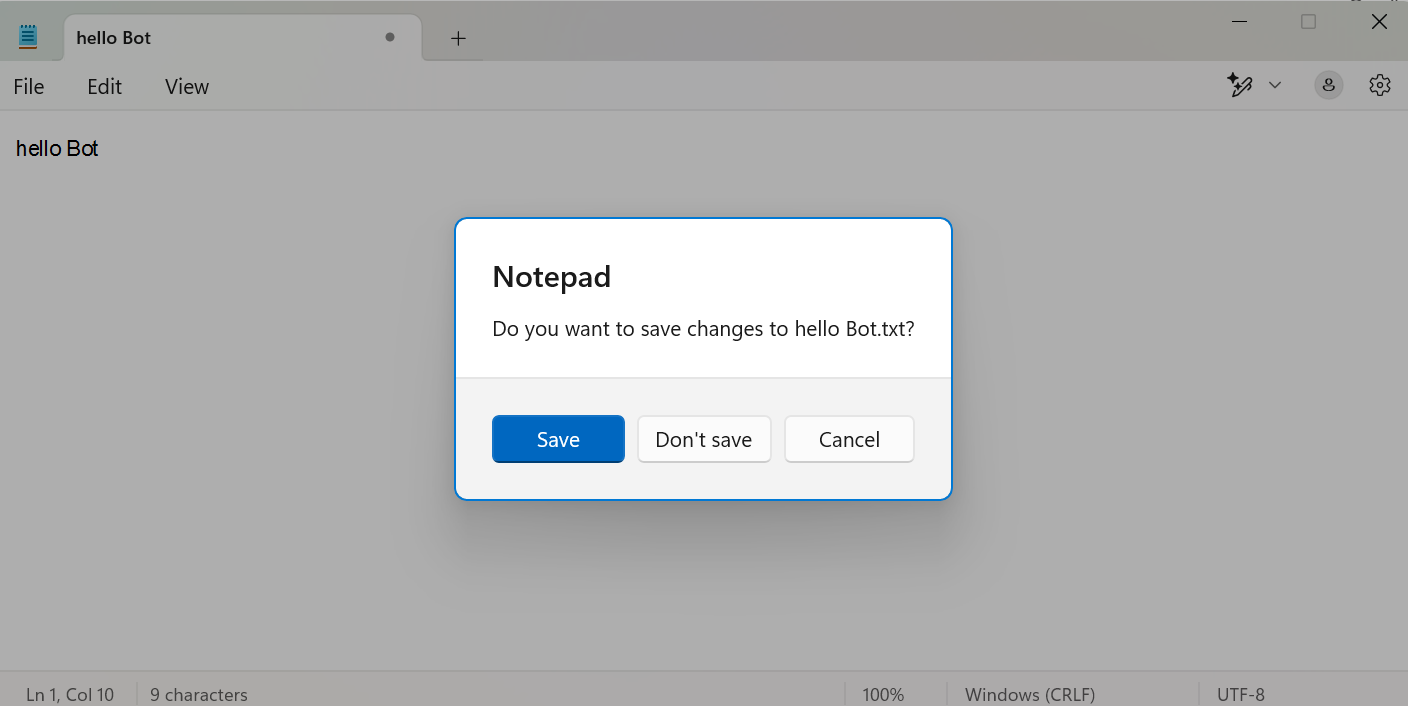






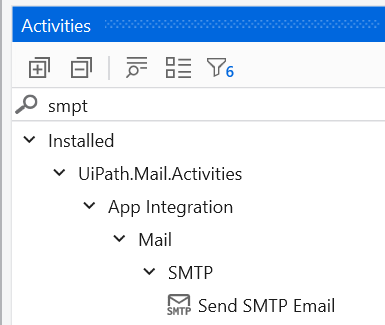


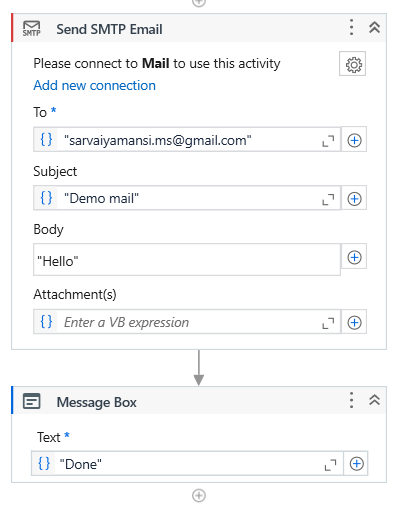
**Output**

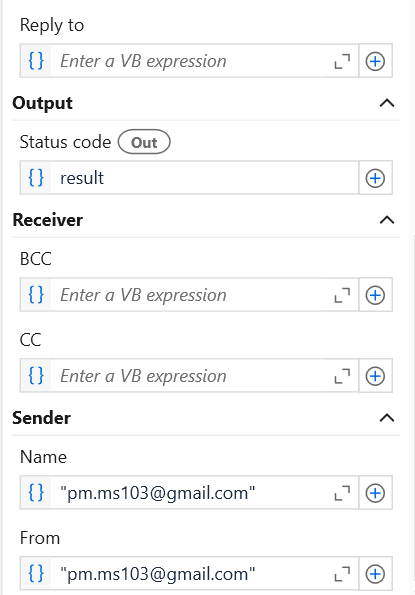
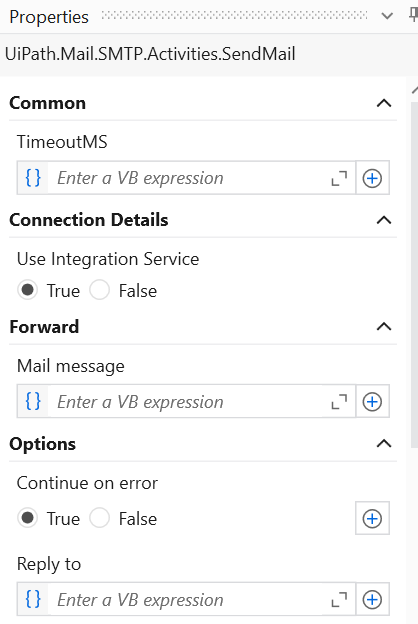


**PRACTICAL IV**

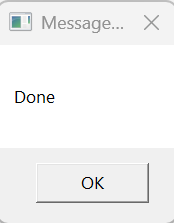
1. Automate the process of send mail event (on any email).



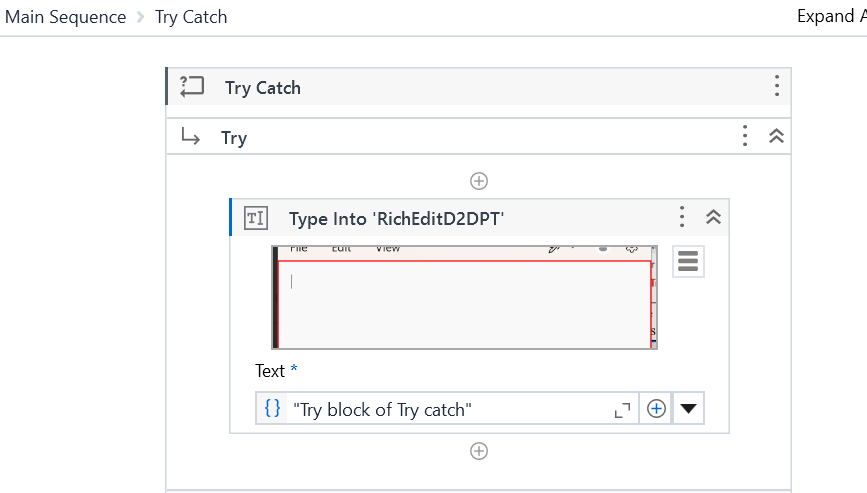


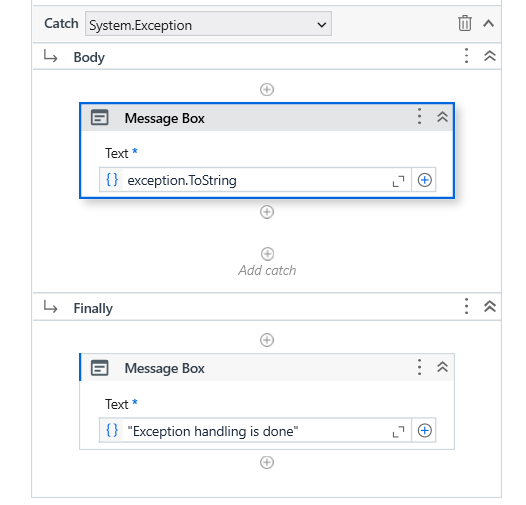


**Output**

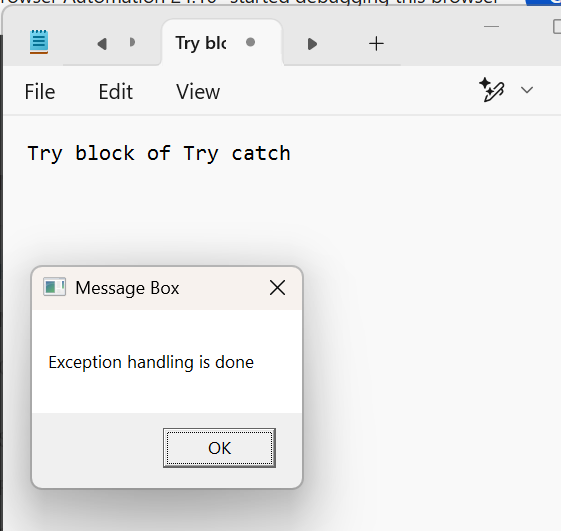


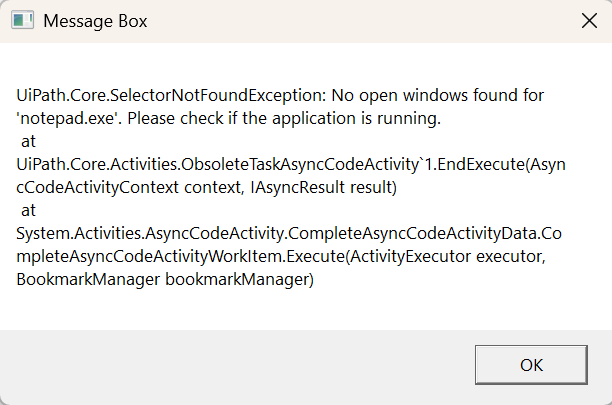
**B.)** Demonstrate the Exception handing in UiPath.



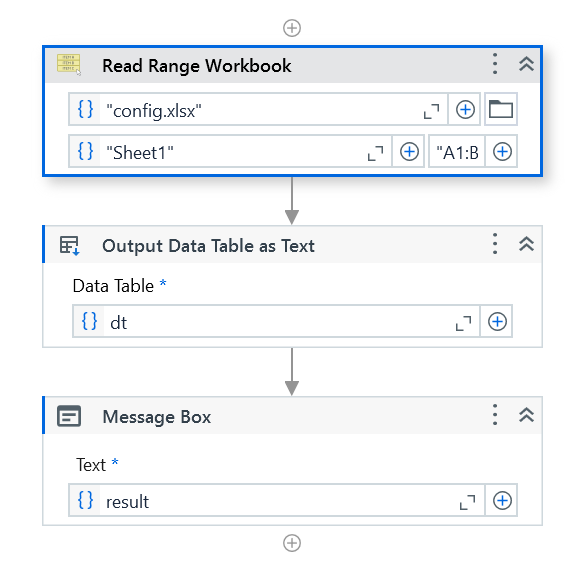


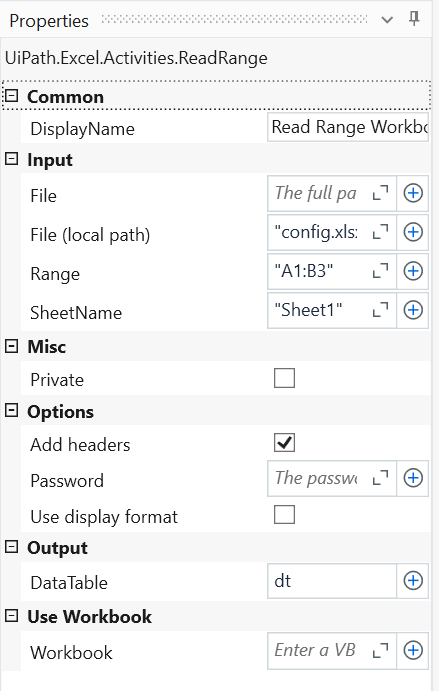
**Output**

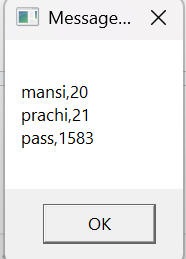
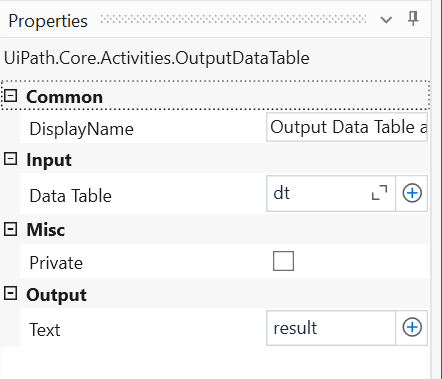




**C.)** Demonstrate the use of config files in UiPath.







**D.)** Install and automate any process using UiPath with the following plug-ins:

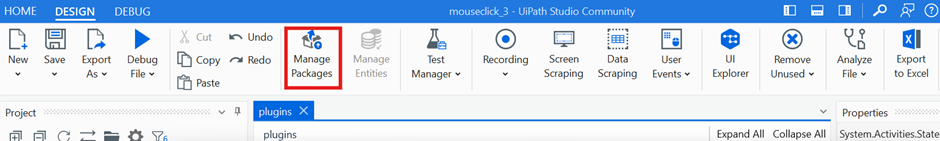
i. PDF Plugin

ii. Excel Plugin

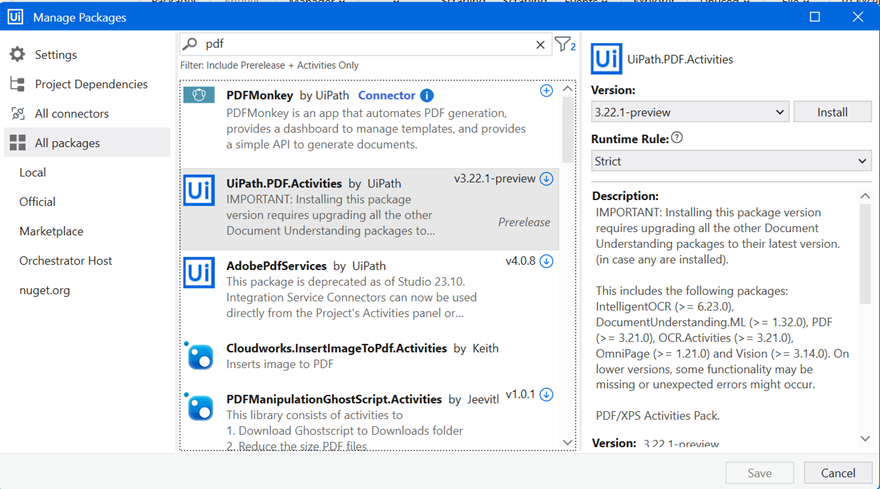
iii. Word Plugin

**I.) PDF Plugin**

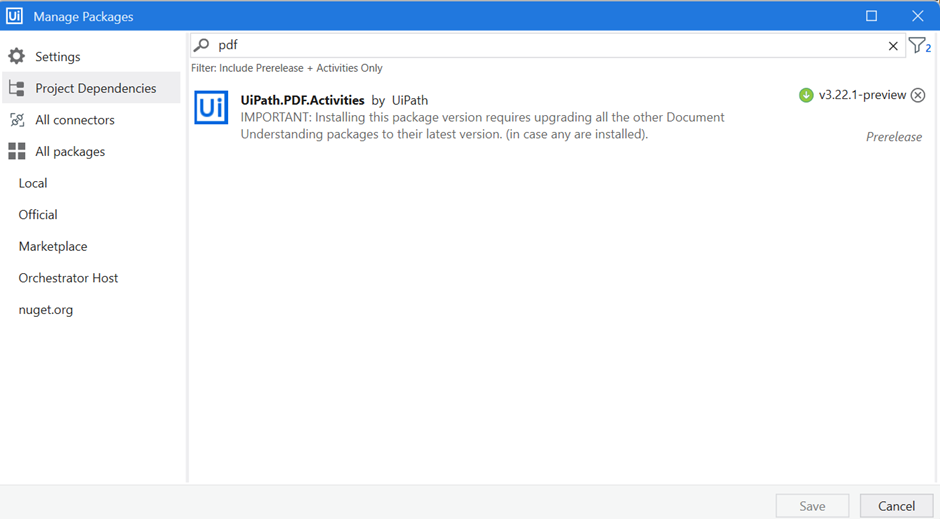
1. For PDF plugin, Click on Process and create process Practical8C\_iii, give description and click on create.



2. Click on Manage Packages, then click on All Packages and search for pdf.



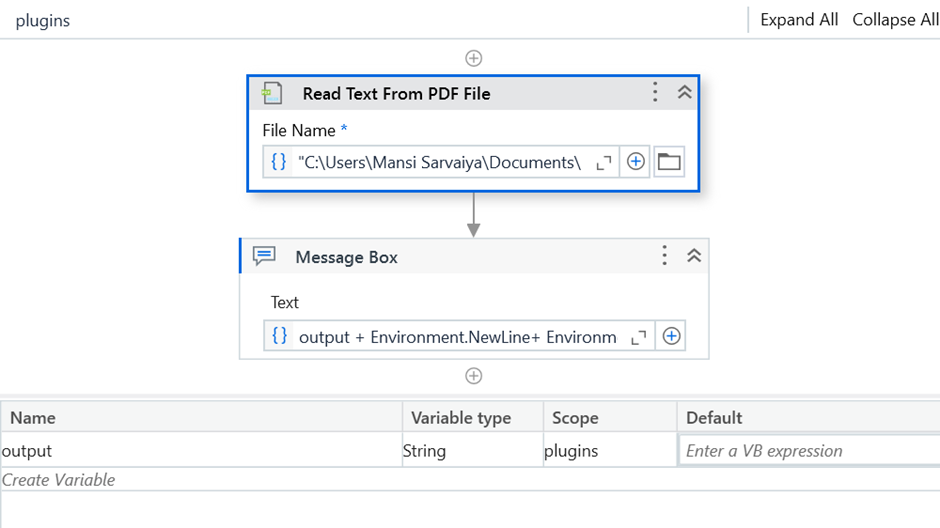
3. Install ‘UiPath.PDF.Activities’ package and click save. After installation it will be displayed in project dependencies.



4. Create one pdf file

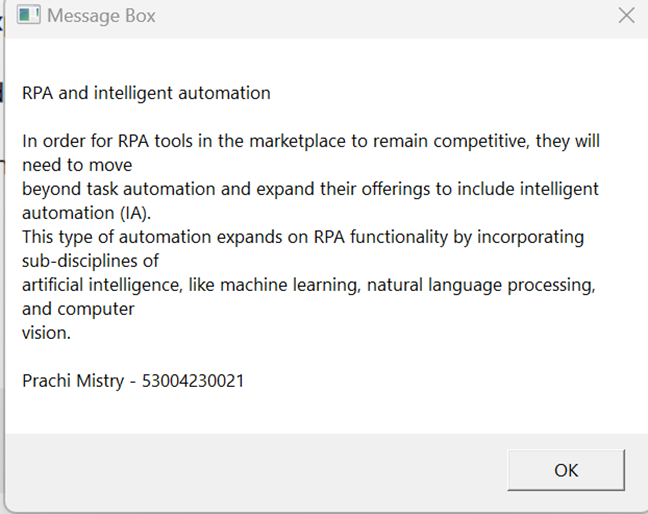
5. Search for read pdf text in activities, drag and drop it in main sequence. Locate the file.

6. In properties, set output as pdf variable.

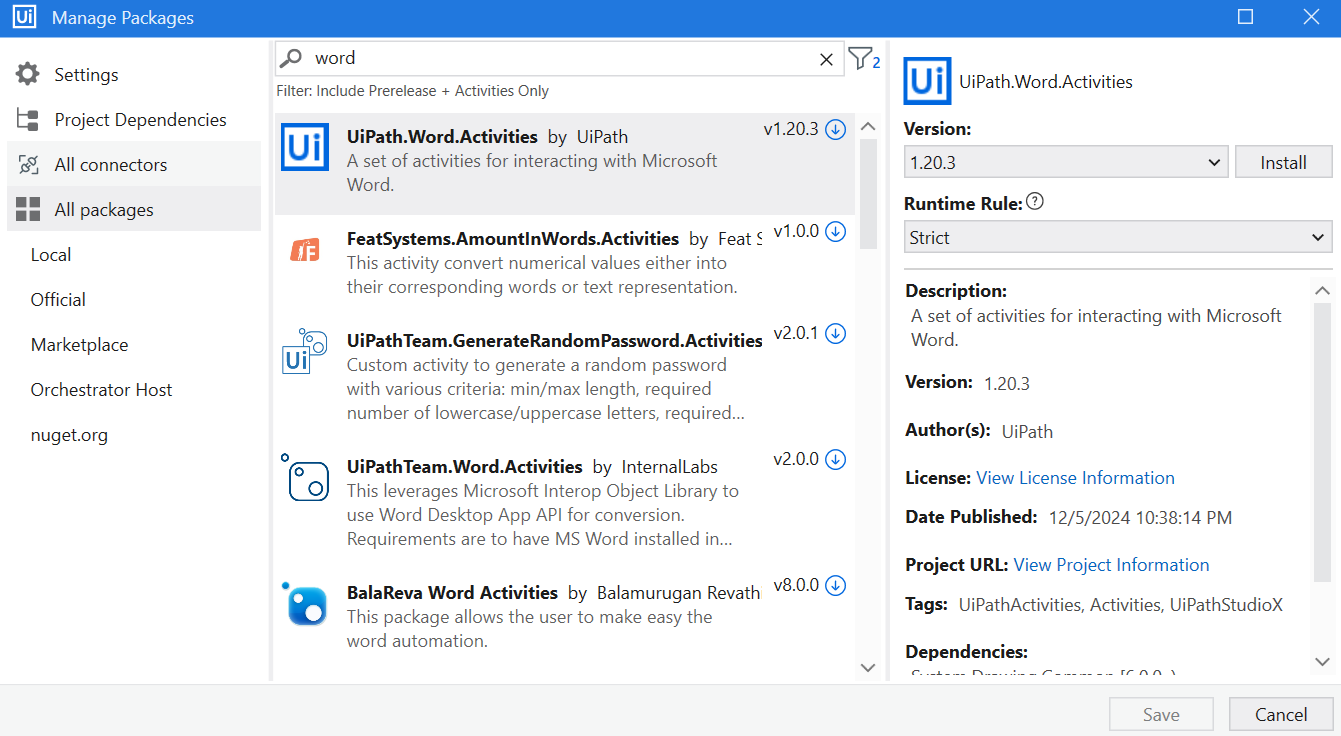


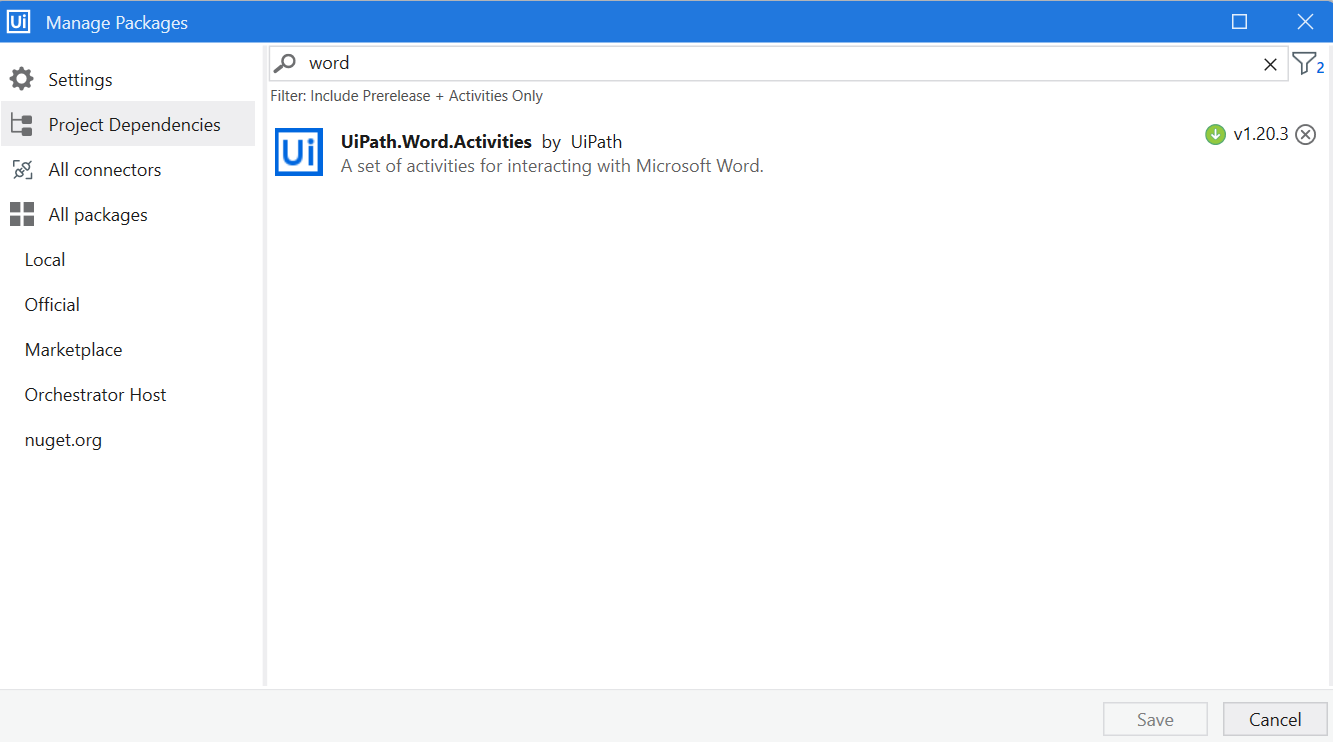
7. Drag message box below pdf activities. Display pdf variable in it and Click on run file or ctrl+F6.

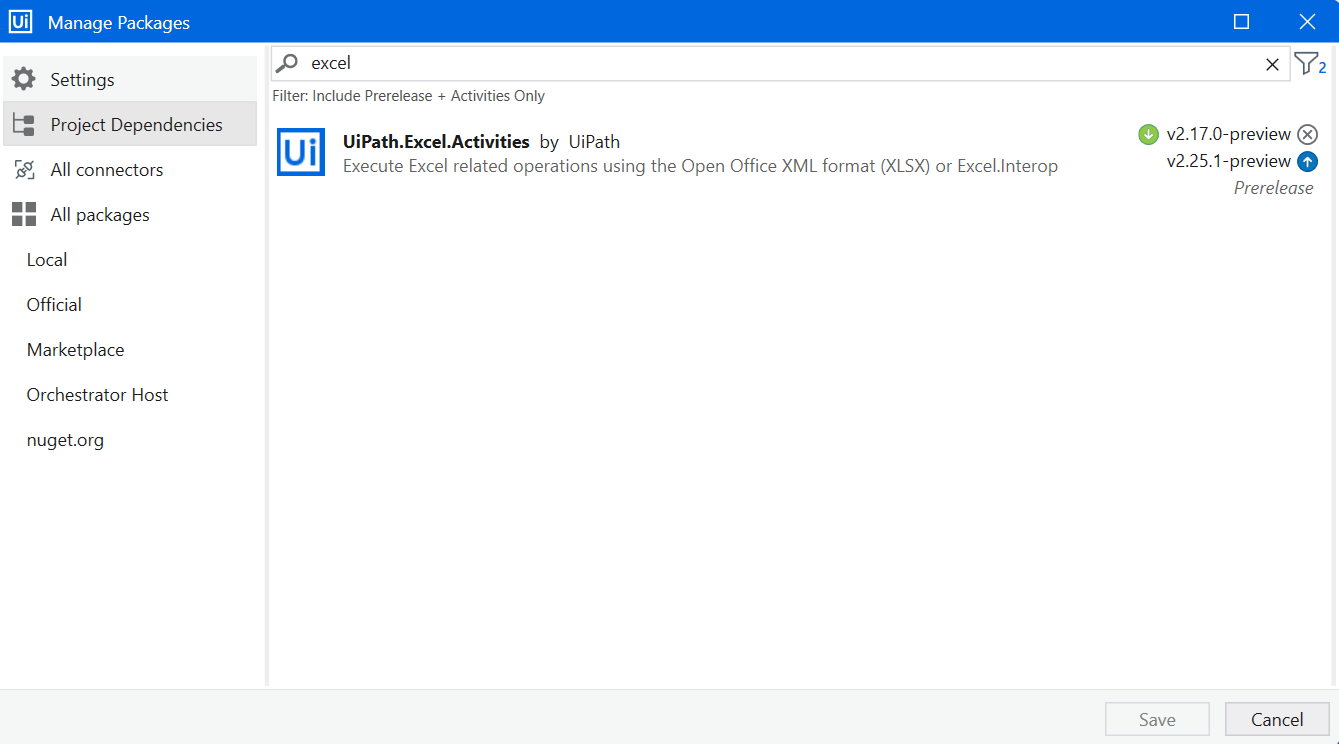
**Output**

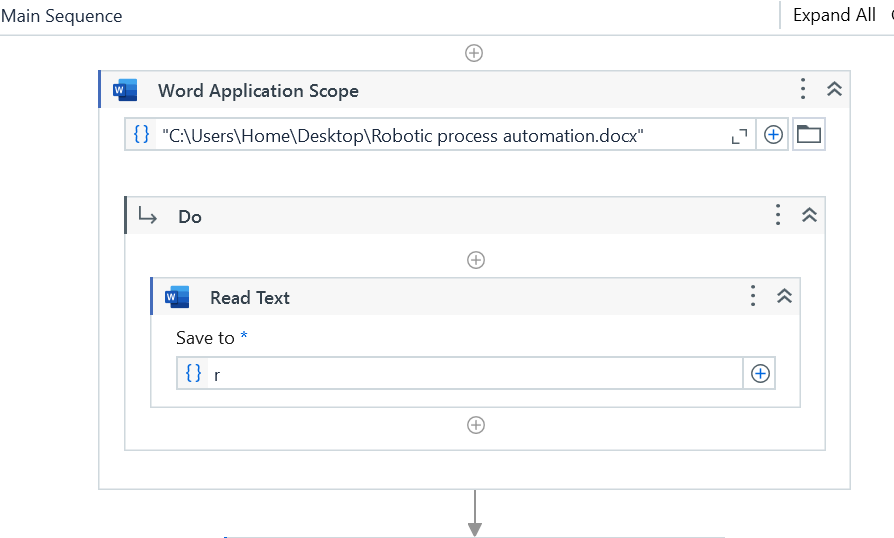


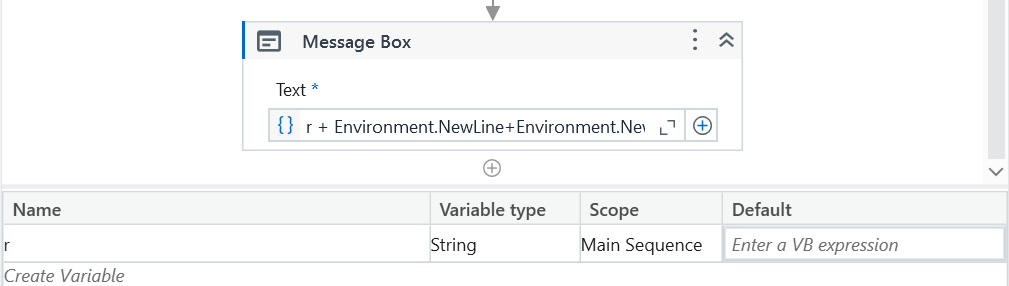
**II.) Word plugin**



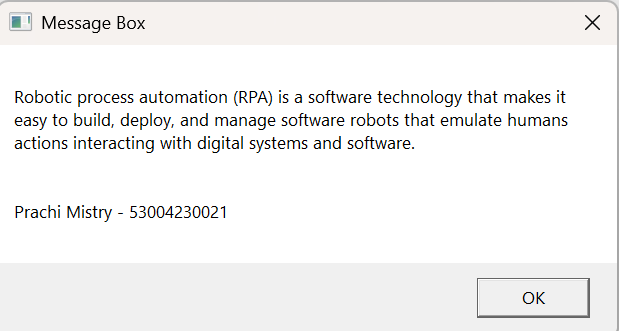




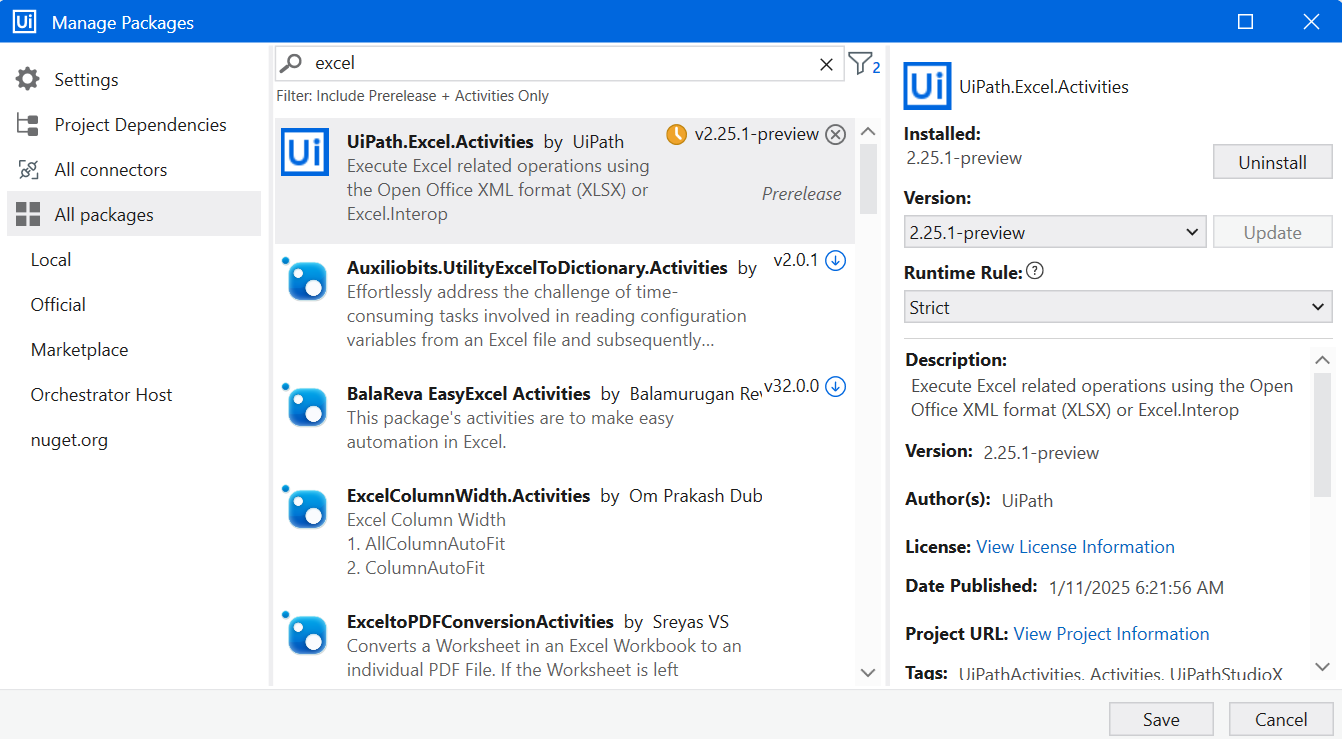


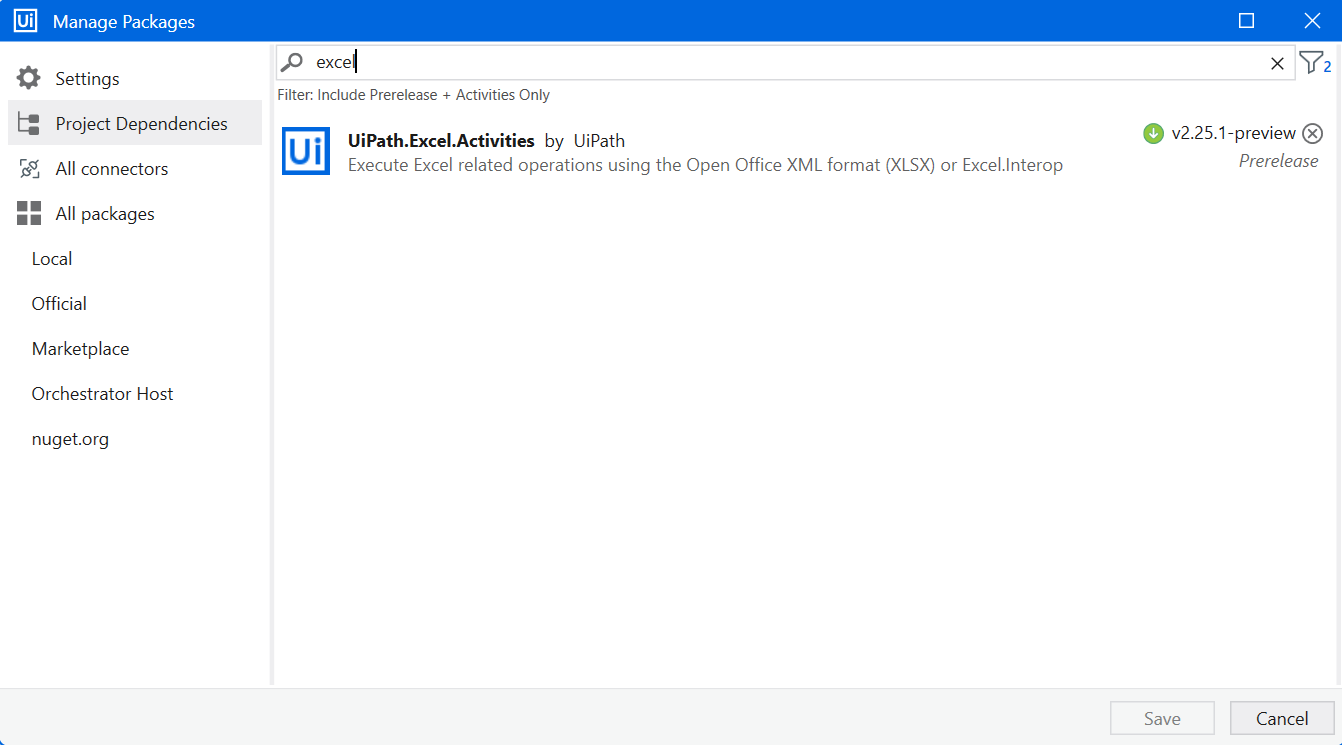


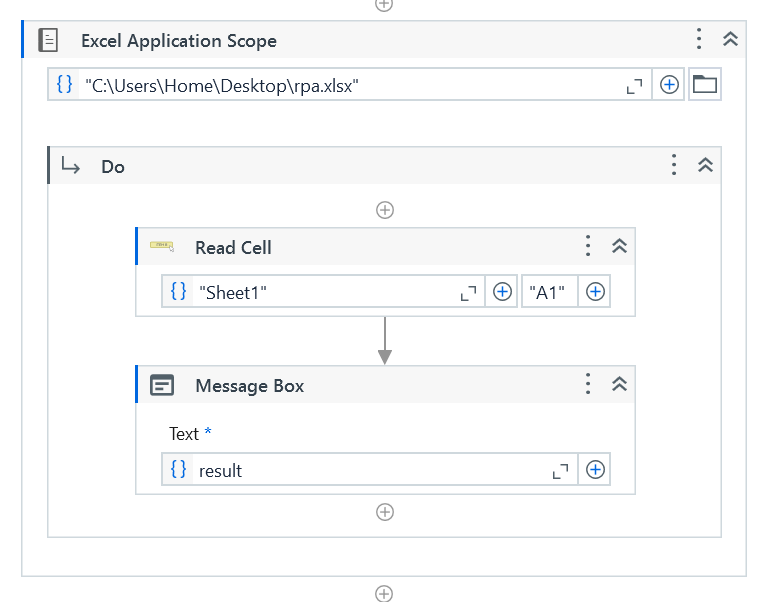
**Output**



**III.)** **Excel plugin**







**Output**

