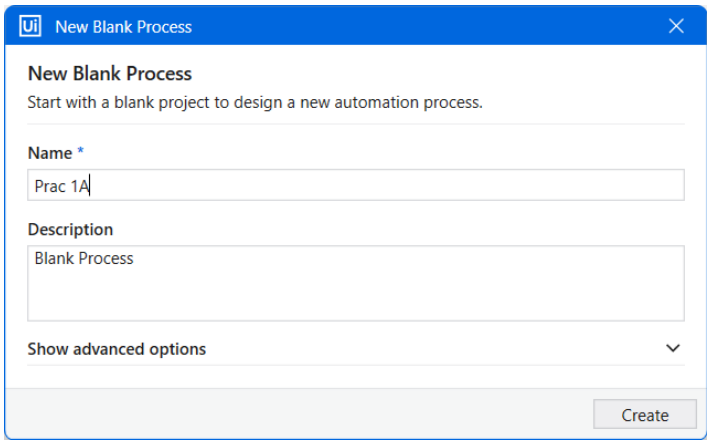
Practical 1A

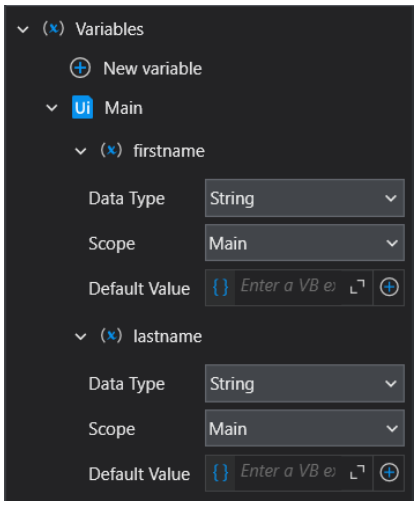
Practical Aim: Use two input dialogs for First Name and Last Name, store in a variable, and show in Message Box.

Steps to Solve:

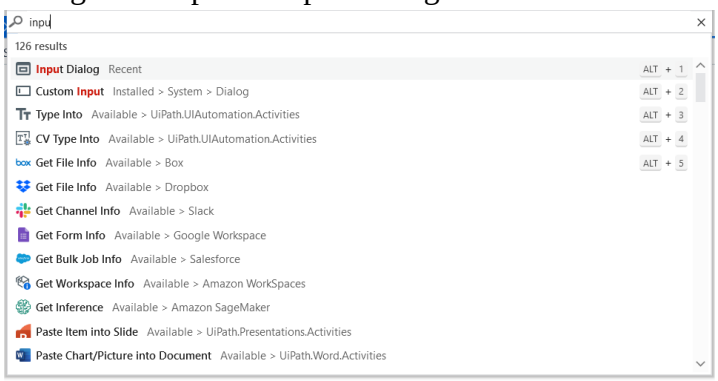
- Open UiPath Studio and create a new process.



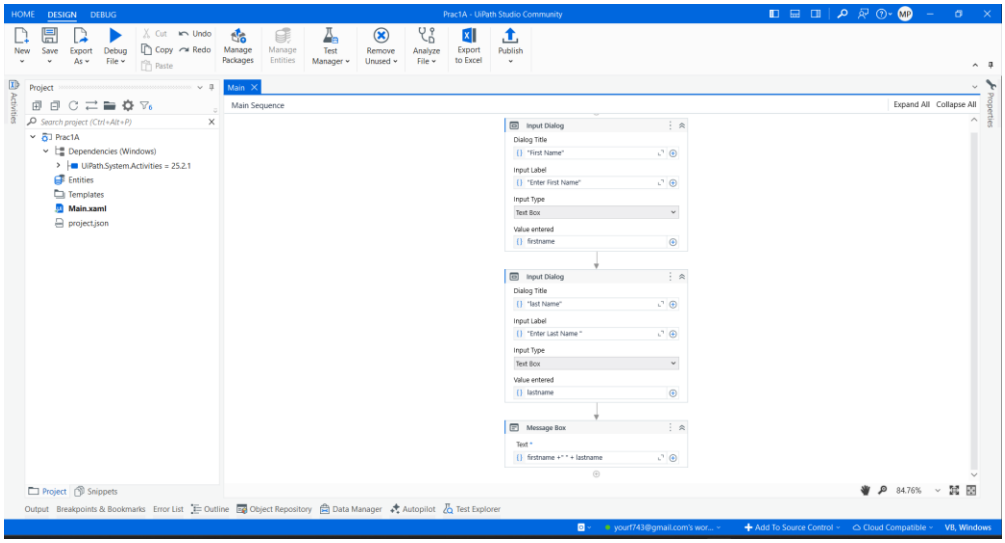
- Variables



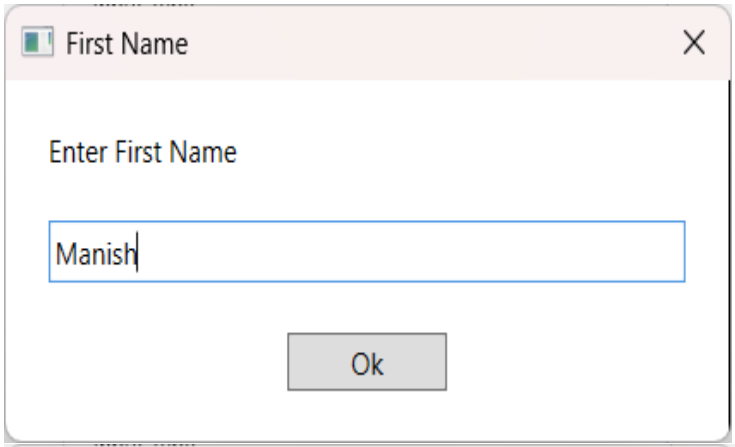
- Drag and drop two 'Input Dialog' activities from the Activities panel.

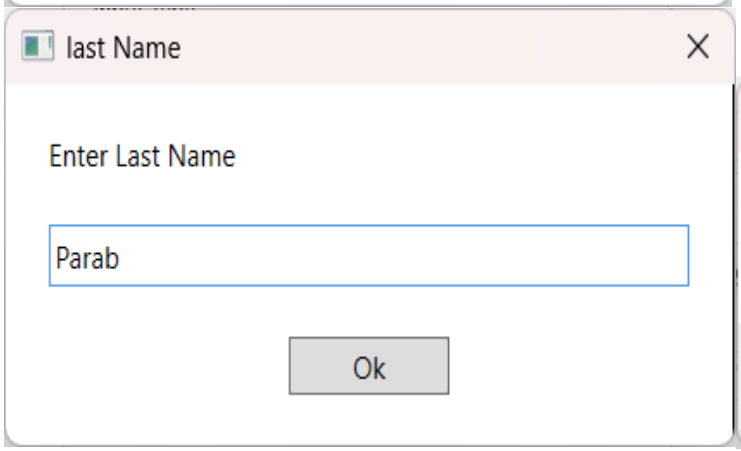


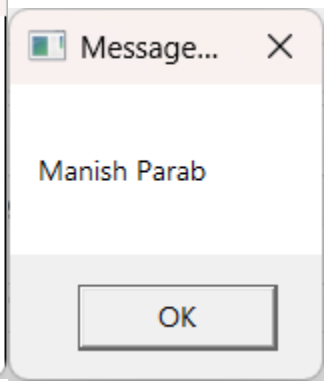
- Set the first input dialog to ask for 'First Name' and store it in a variable (e.g., firstName).
- Set the second input dialog to ask for 'Last Name' and store it in another variable (e.g., lastName).
- Drag and drop a 'Message Box' activity and set the text as: firstName + ' ' + lastName.



Output :





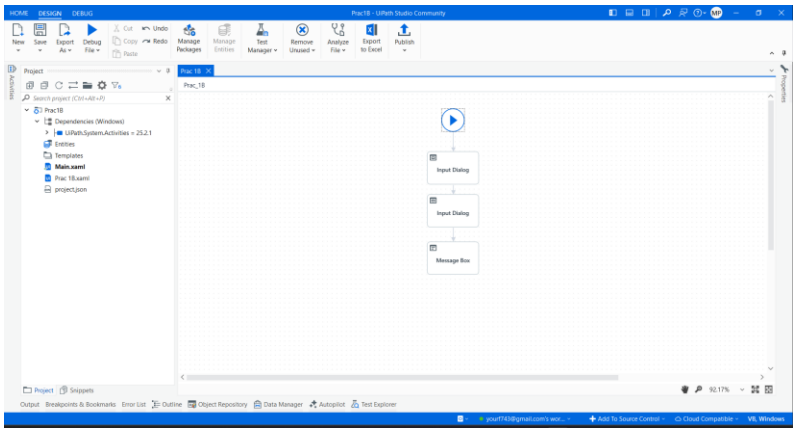


Practical 1B

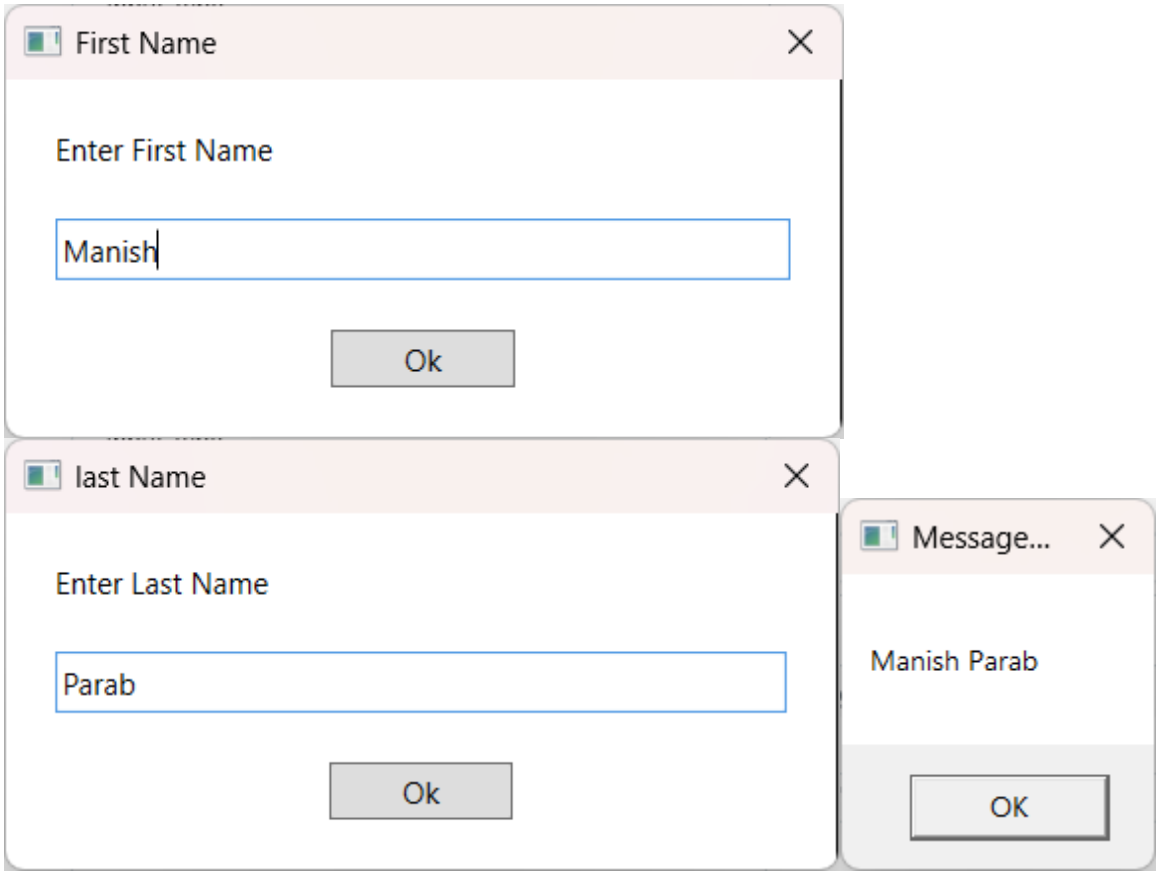
Practical Aim: Use two input dialogs for First Name and Last Name, store in a variable, and show in Message Box.

Steps to Solve:

- Follow the same steps as Practical 1A, Use Flowchart.



Output:

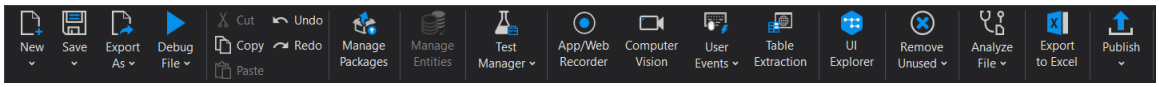


Practical 1C

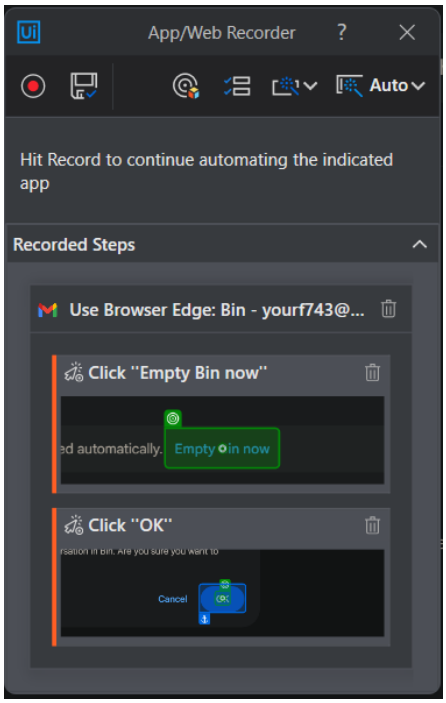
Practical Aim: Use Web Recorder to empty trash in Gmail.

Steps to Solve:

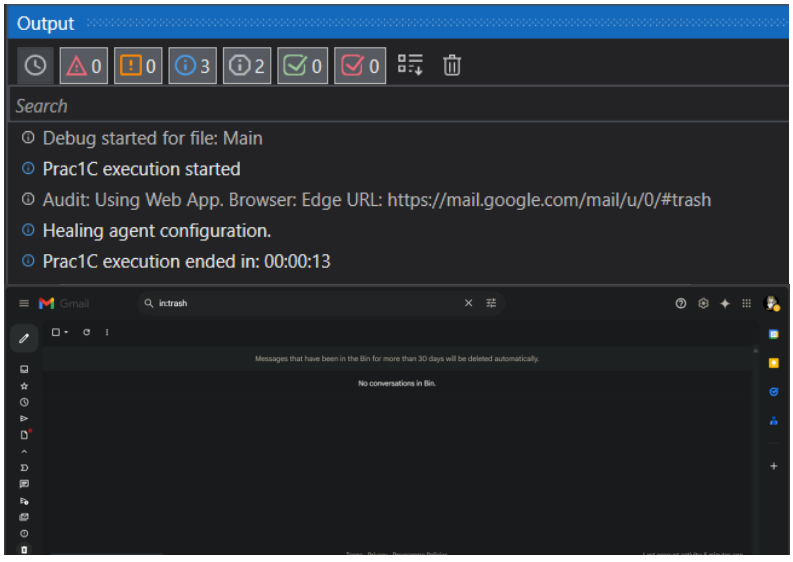
- Open UiPath Studio and create a new process.
- Click On App/Web Recorder.



- Use mouse to Navigate and First Click On “Empty Bin Now” Then “Ok”.(Make sure you have bin open in gmail of any browser)



Output : It will automatically delete the trash in email box.

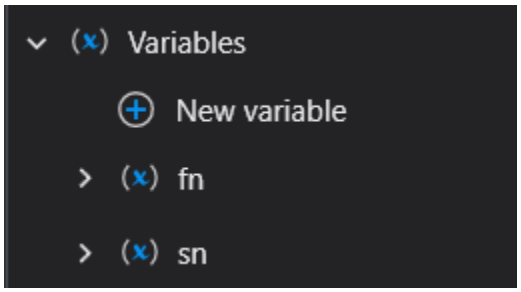


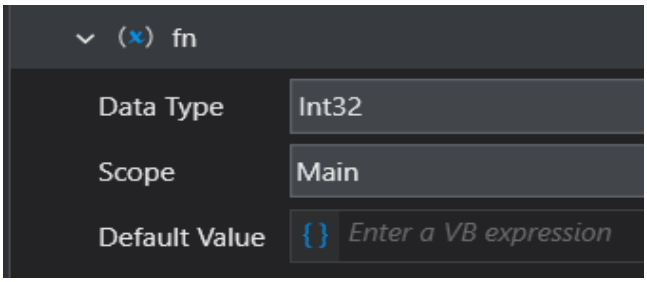
Practical 2A

Practical Aim: Use two input dialogs for Numbers, perform calculations, and show results in Message Box.

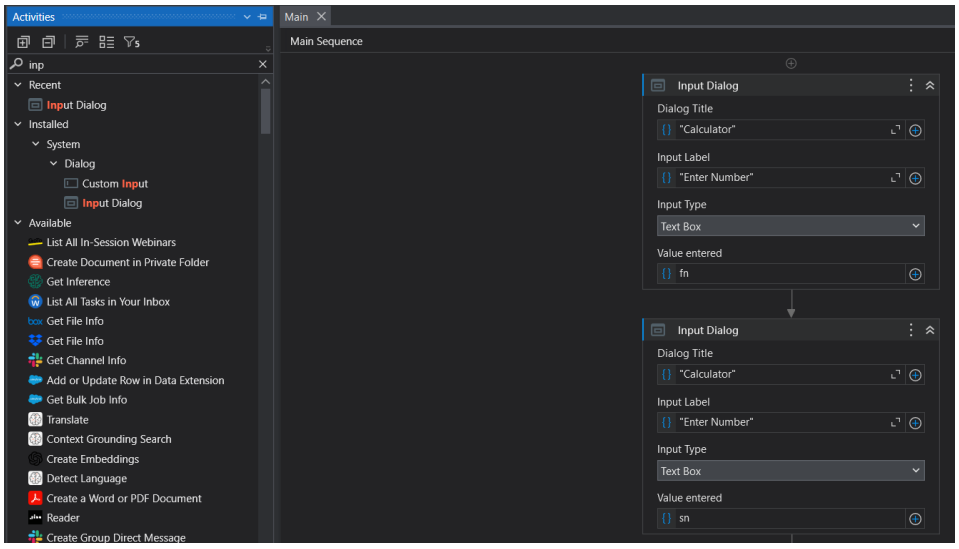
Steps to Solve:

- Create a new process in UiPath Studio.
-Crete 2 variables as fn and sn and give data type as Int32.

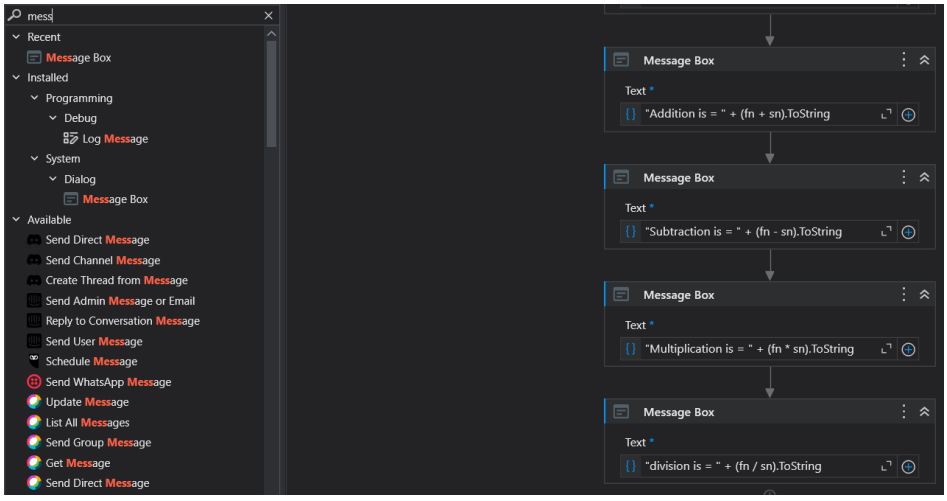




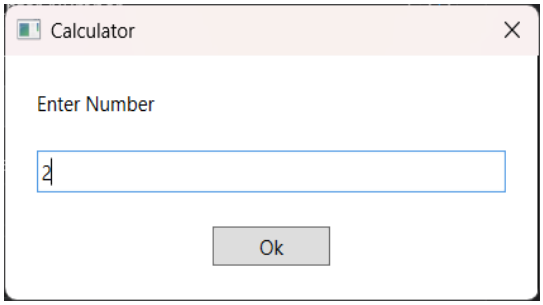
-Add 2 Input Dialog And enter Values

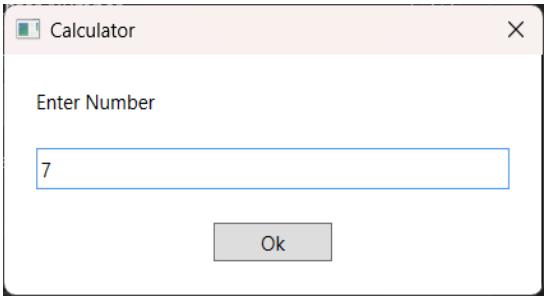


-Add 4 Message Box And enter values show In image

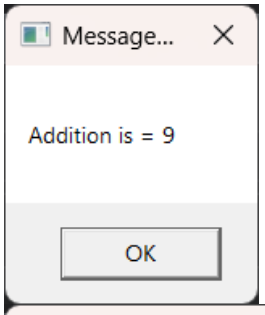


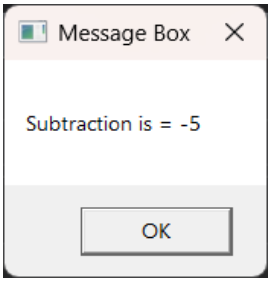
- Run and Enter Numbers

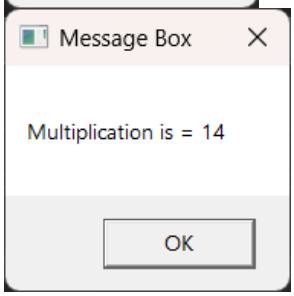


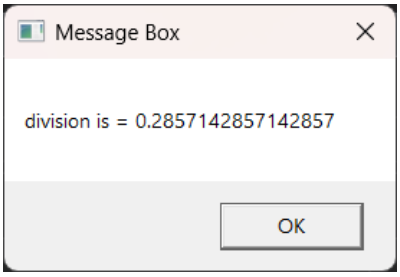


Output:







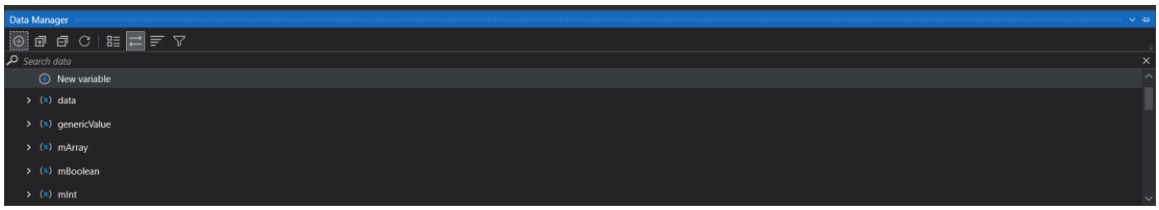


Practical 2B

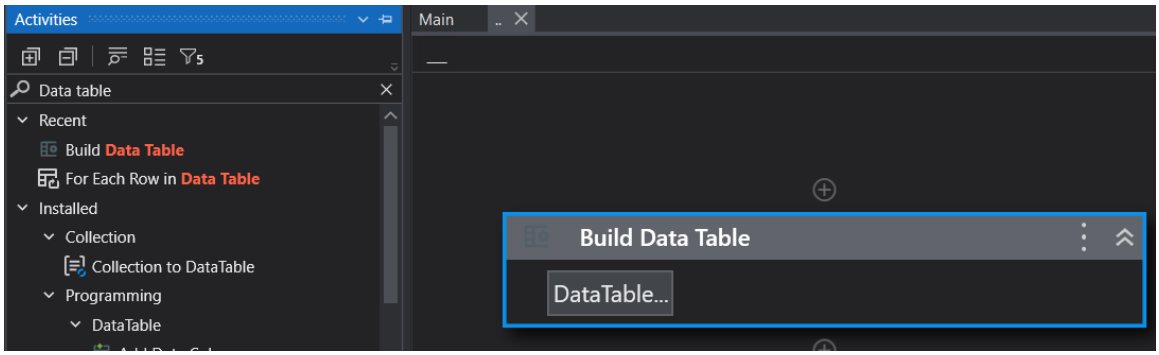
Practical Aim: Create different types of variables (number, datetime, Boolean, generic, array, data table), provide default values, and show them in Message Box.

Steps to Solve:

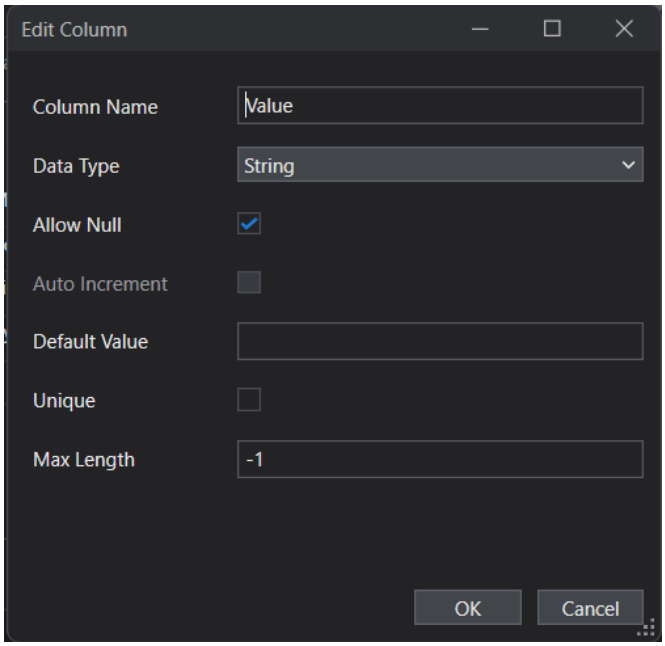
- Create project and create variables for each datatype



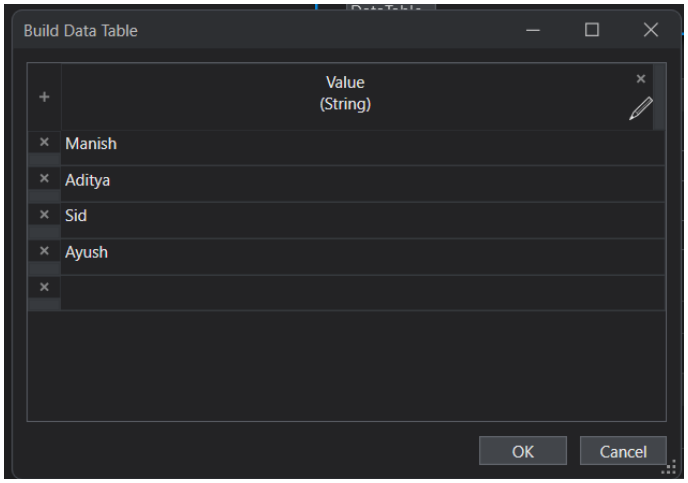
-Search for data table activity in the activity pane and drag it into the sequence



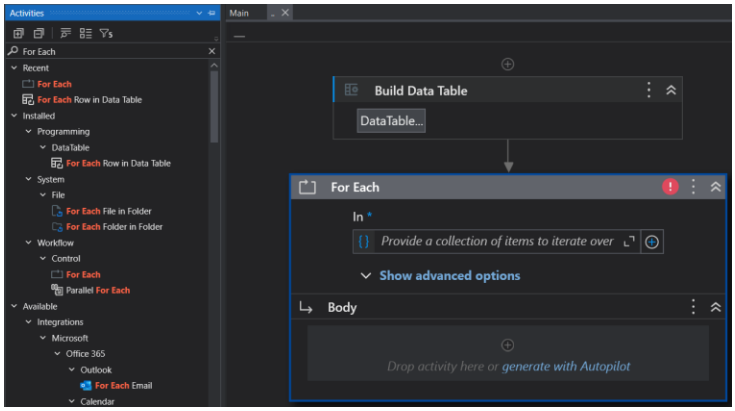
- Click on the data table and create one column



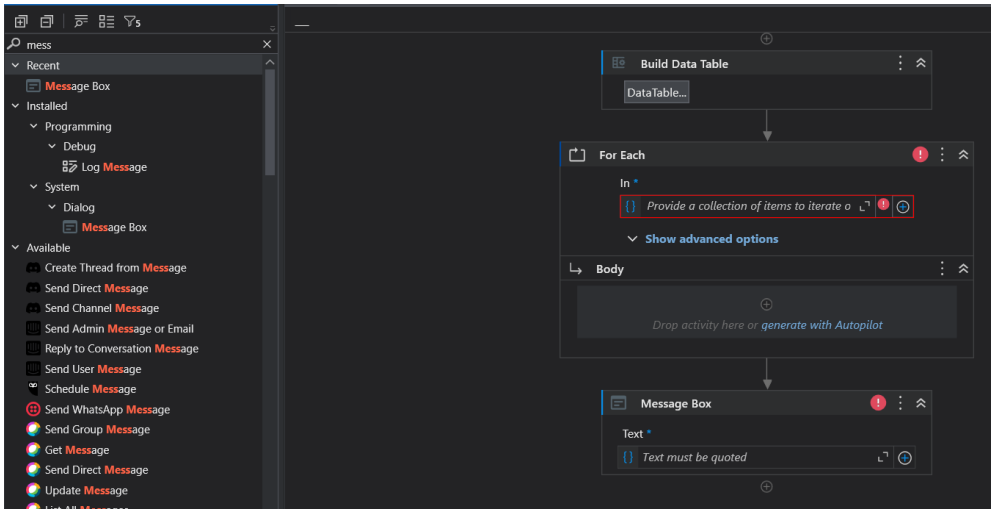
- Give the names of some people as value



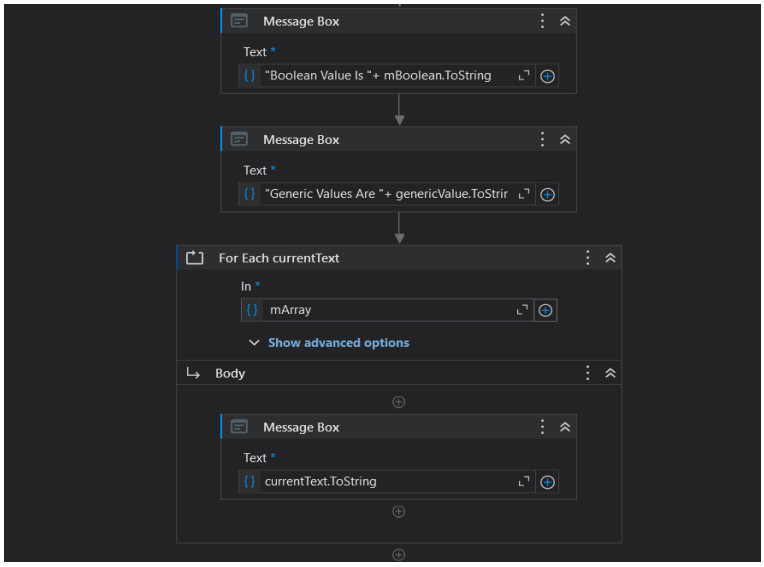
- Search for Each Row in data table and pass the variable data in it



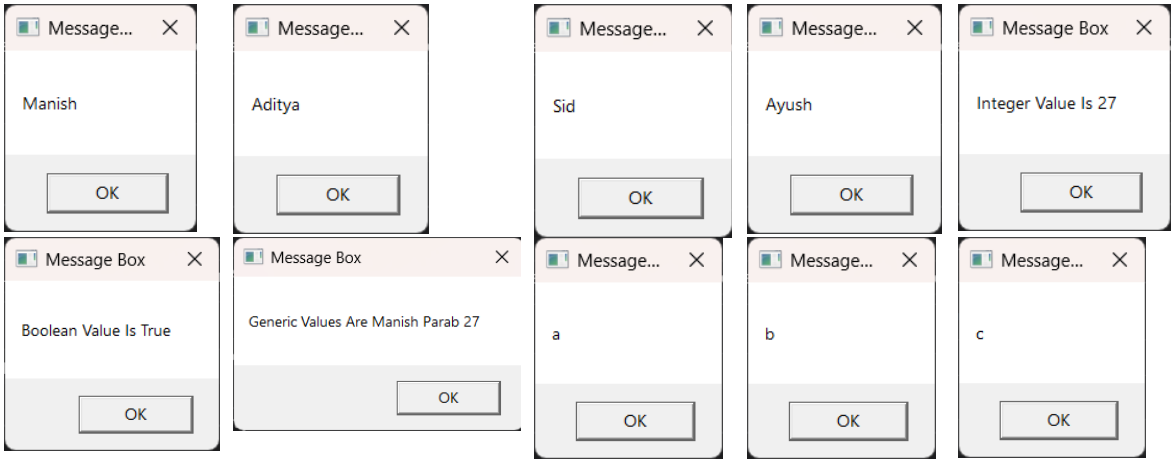
- add multiple message box for various datatypes and for each loop for array



- Add the appropriate values in the message box and for each loop.



- Output

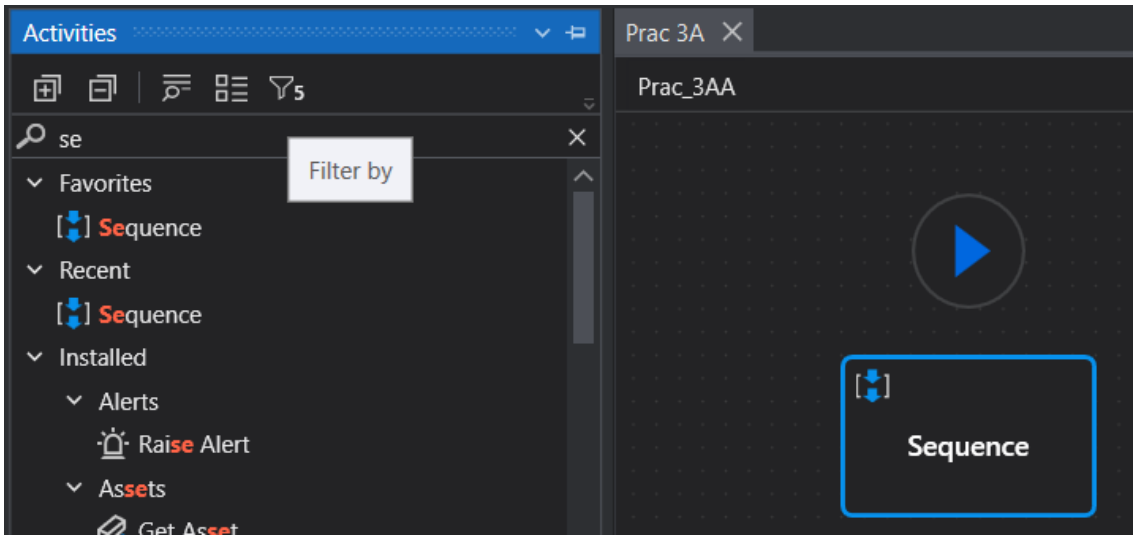


Practical 3A

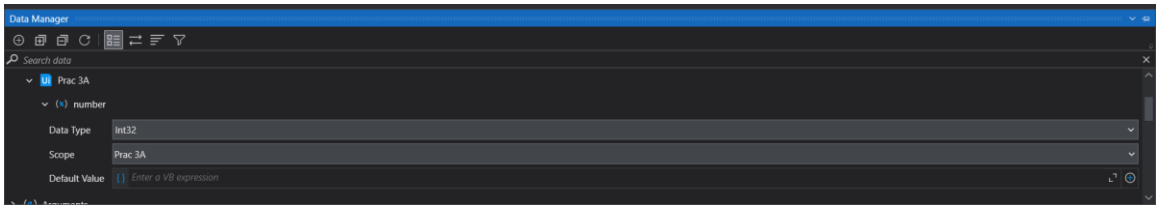
Practical Aim: Create an automation UiPath Project using decision statements.

Steps to Solve:

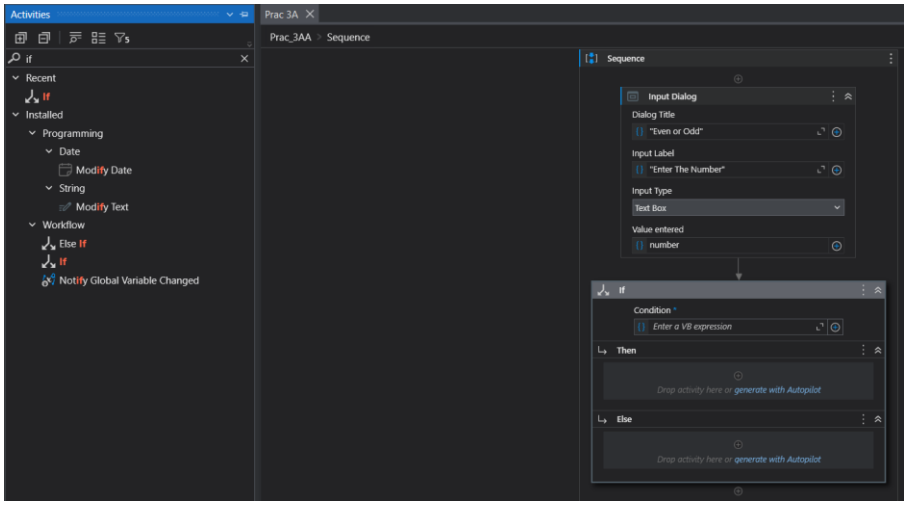
- Create a new UiPath process (FlowChart).
- Add Sequence and Connect it with Start node.



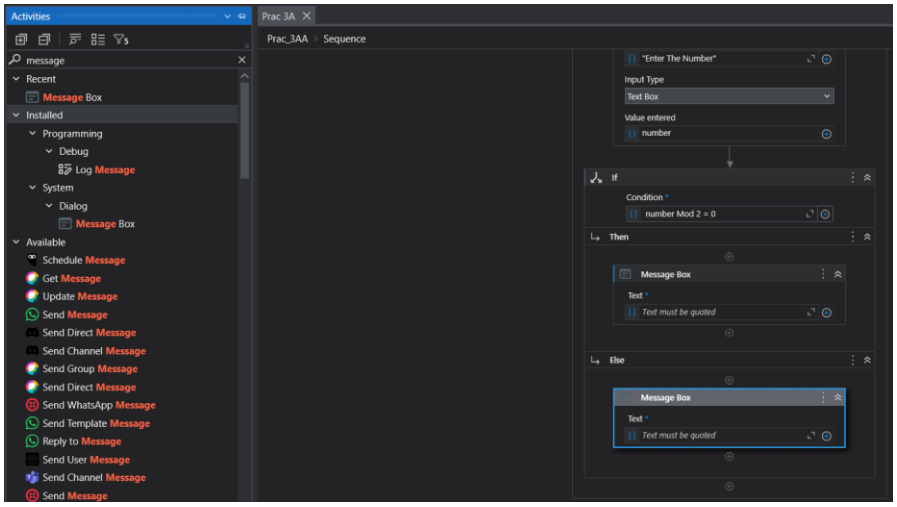
- Add variable of int32 data type as number.



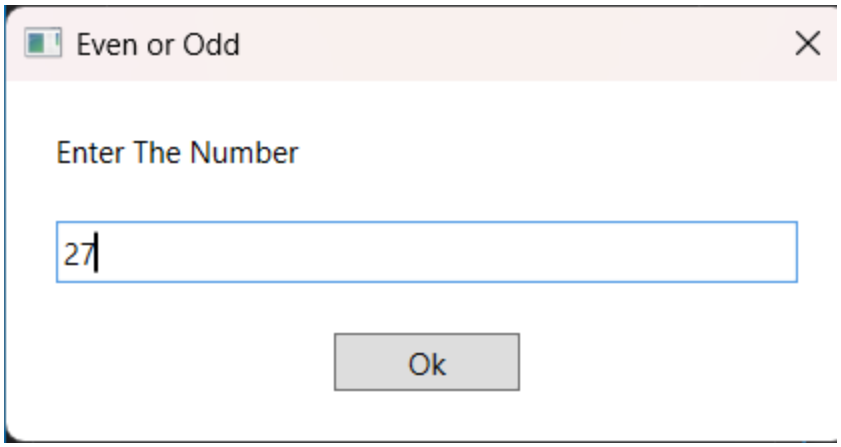
- Add input Dialog and if Statement.



- Add 2 Message box in if Statement and fill values



Output:

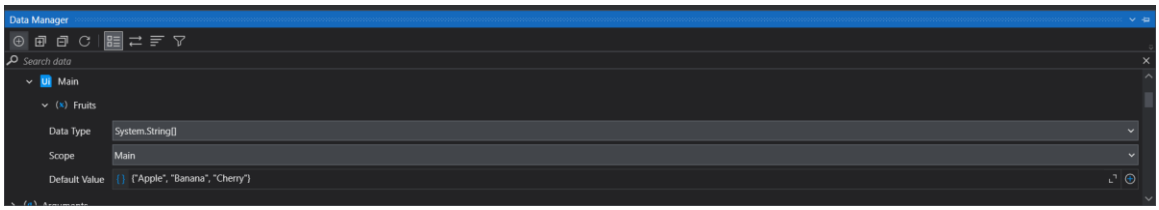


Practical 3B

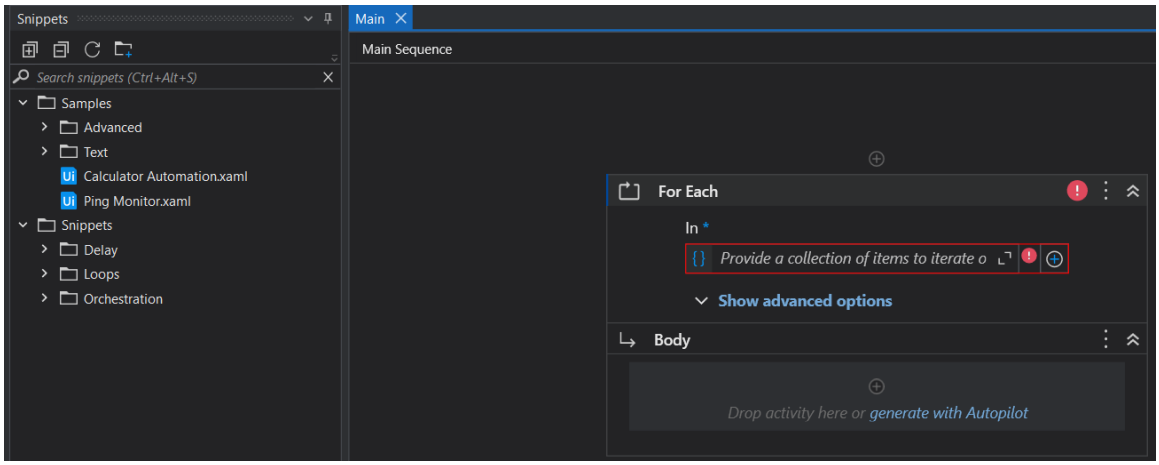
Practical Aim: Create an automation UiPath Project using looping statements (Dummy list of fruits).

Steps to Solve:

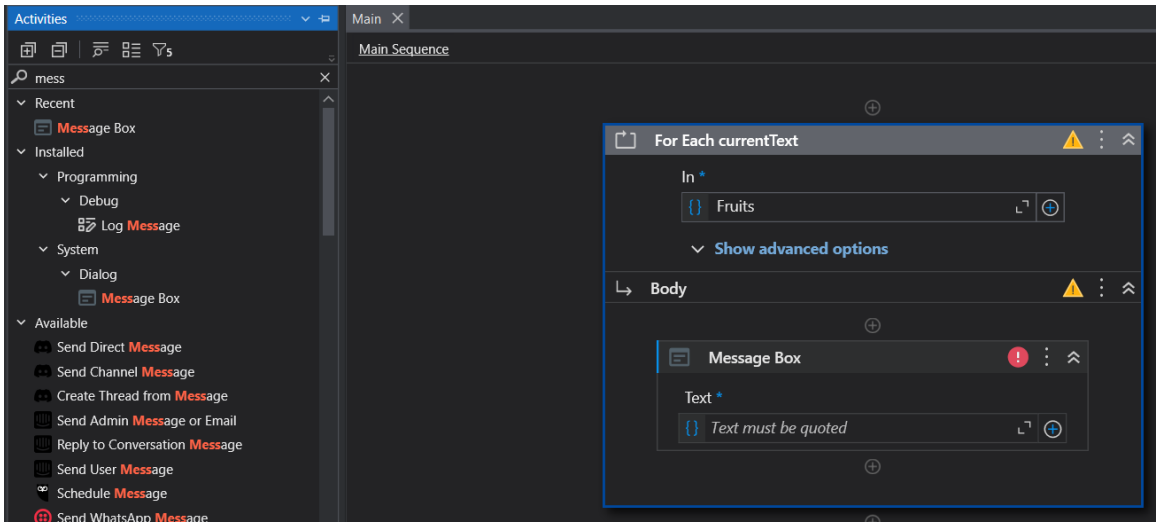
- Create a new UiPath process.
- Create a list of fruits using an array variable (e.g., {'Apple', 'Banana', 'Cherry'}).



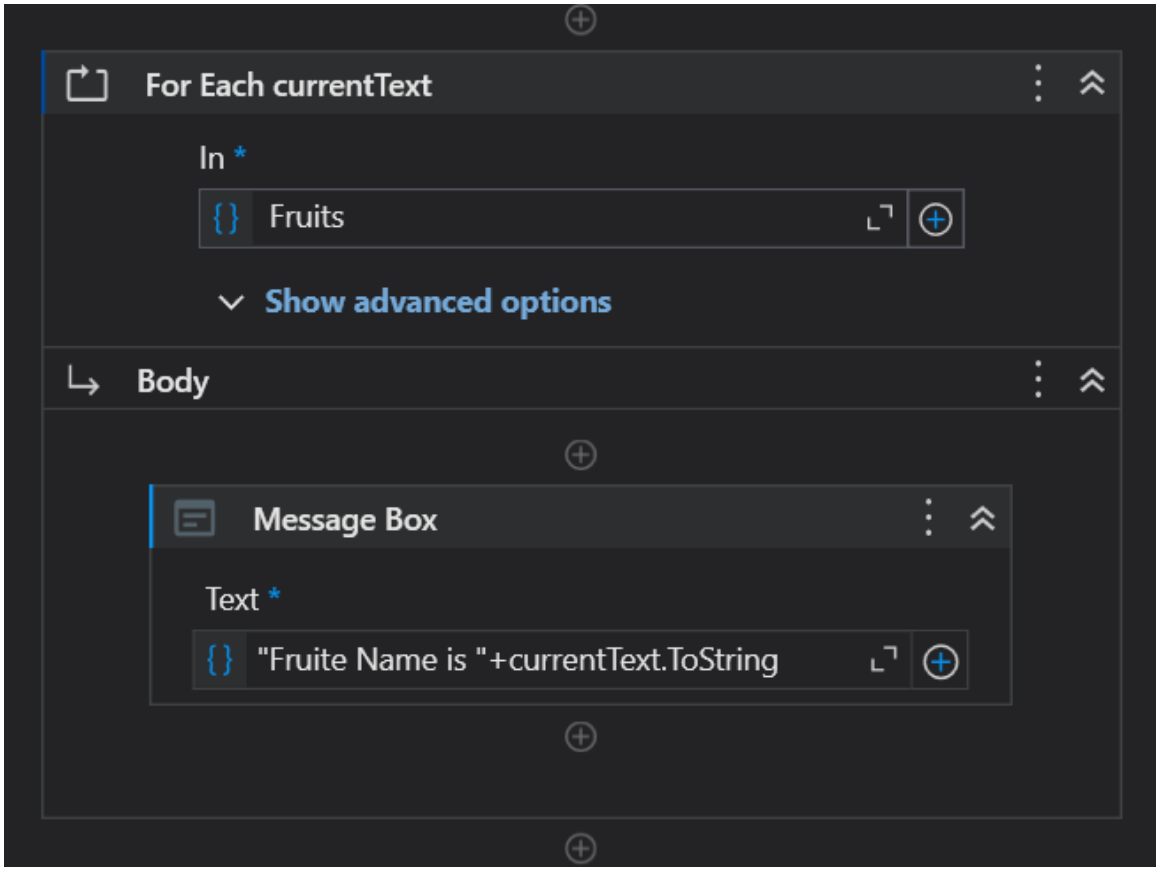
- Use a 'For Each' loop to iterate through the list.



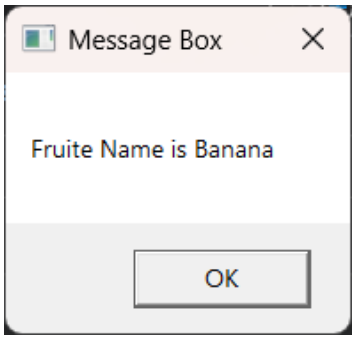
- Use a 'Message Box' activity inside the loop to display each fruit.

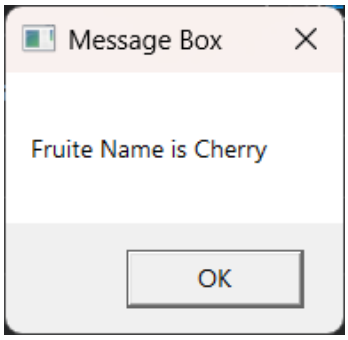


- Fill Values



- Run the workflow and check the output.



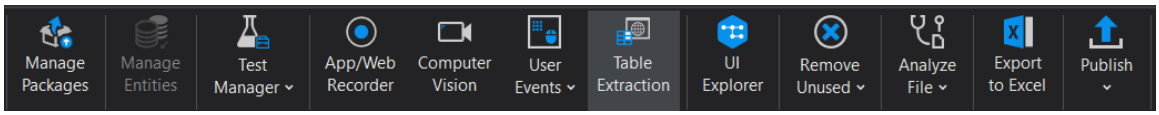


Practical 4

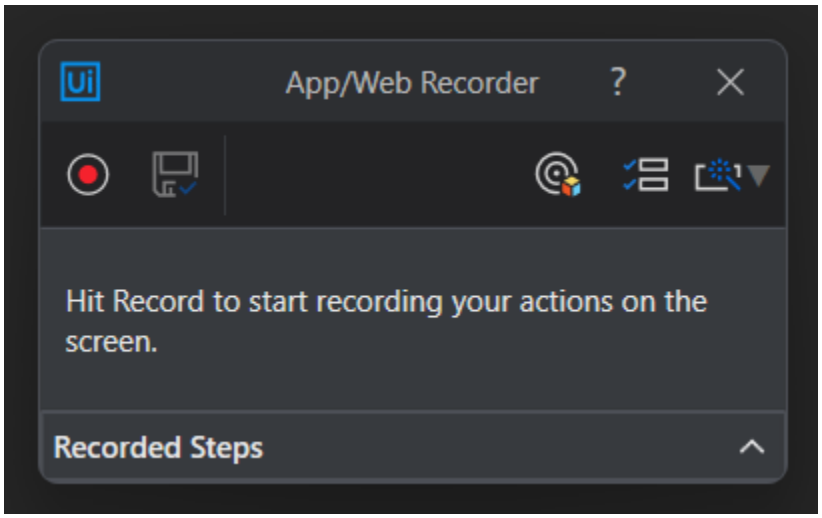
Practical Aim: Automate any process using basic recording (Existing Notepad).

Steps to Solve:

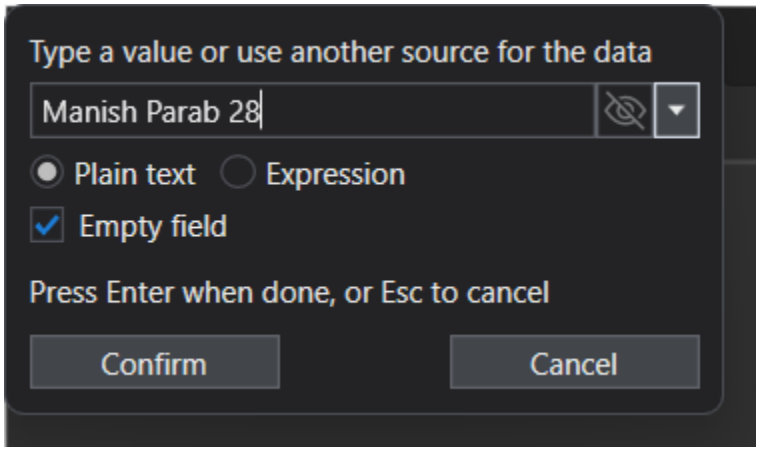
- Create a new UiPath process.
- Use the 'Basic Recording' feature.



- Start recording and open Notepad.

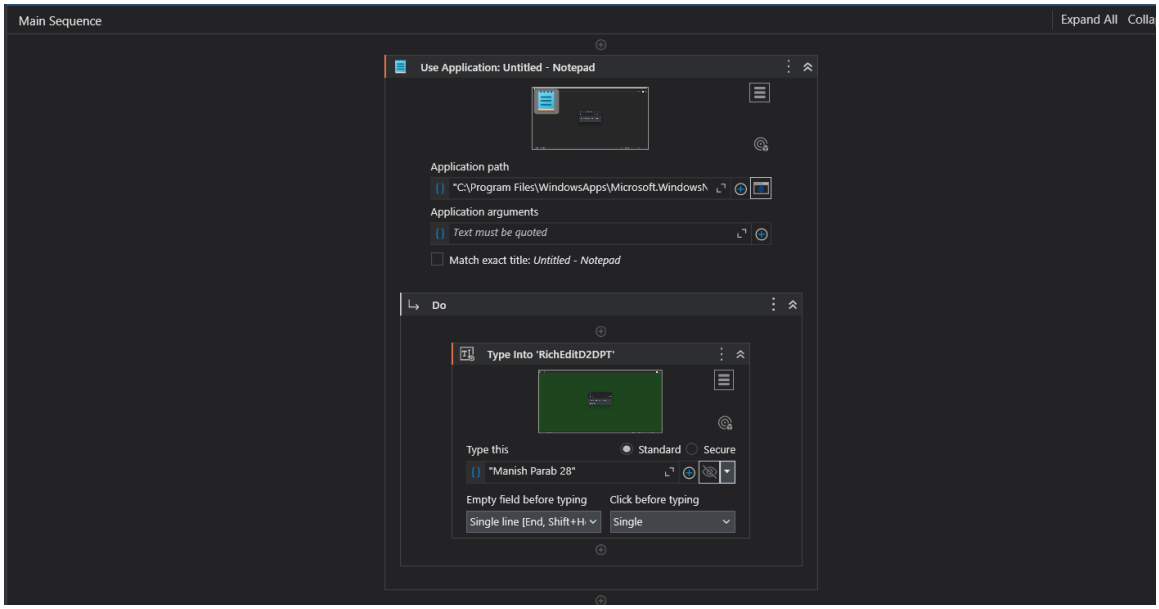


- Type some text automatically.

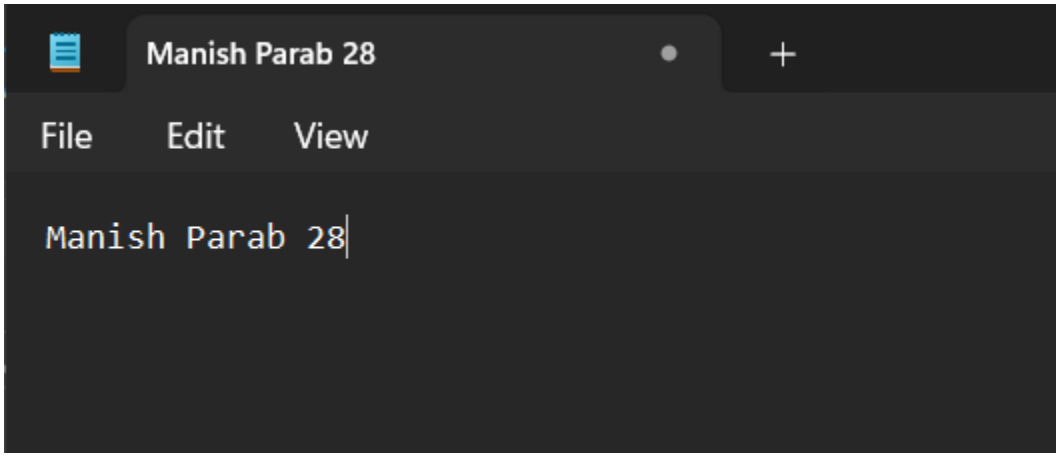


- Save and close Notepad.

- Stop the recording and generate the workflow.



- Run the workflow to automate Notepad actions.

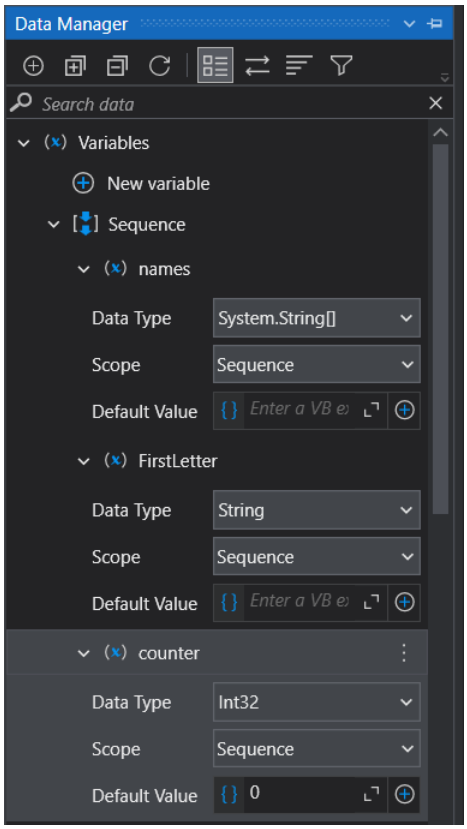


Practical 5

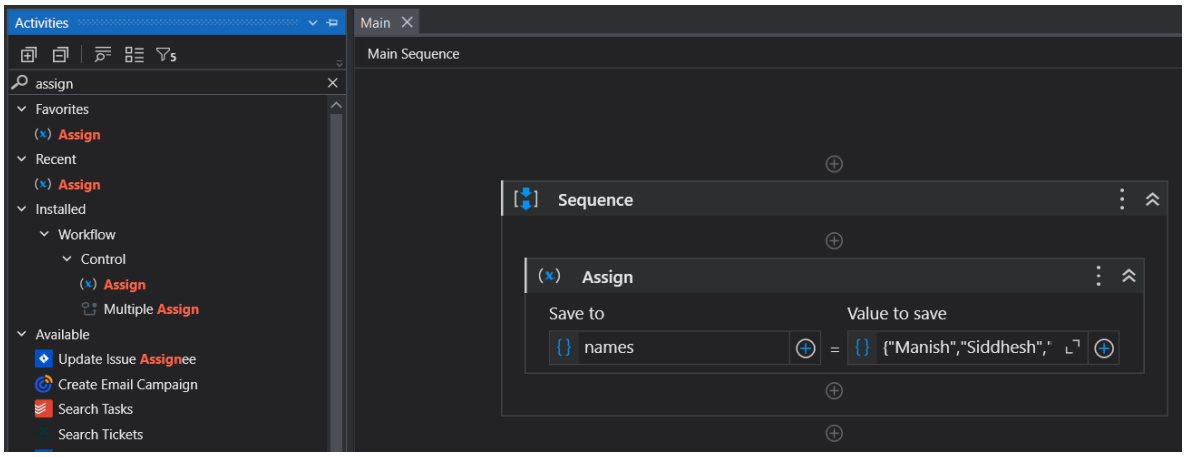
Practical Aim: Consider an array of names. Find out how many start with the letter 'J'. Create an automation to count and display the result.

Steps to Solve:

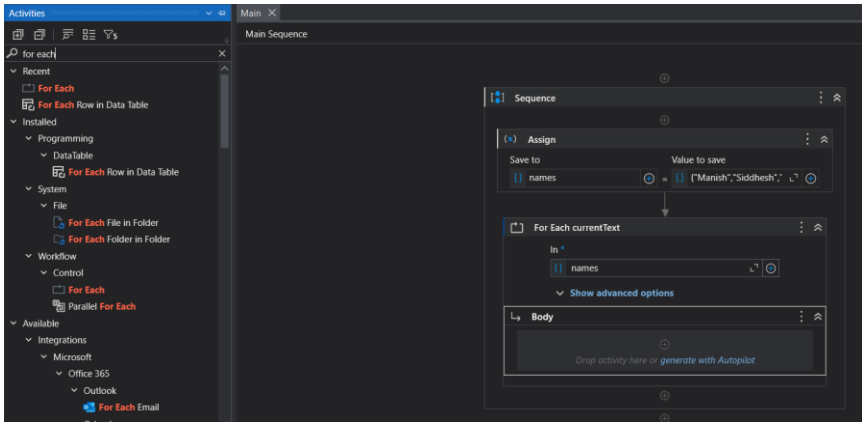
- Create a new UiPath process.
- Add Variables :



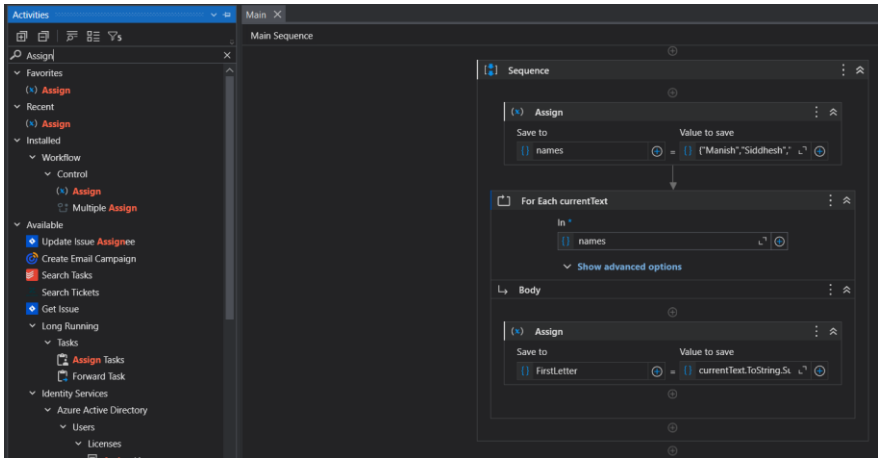
- Add Sequence And Assign Activity inside it.



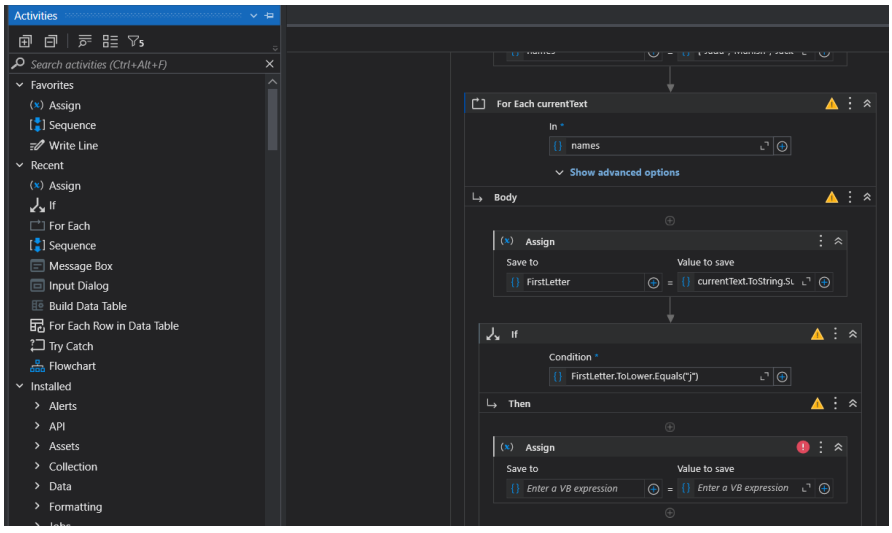
- Add For Each Loop



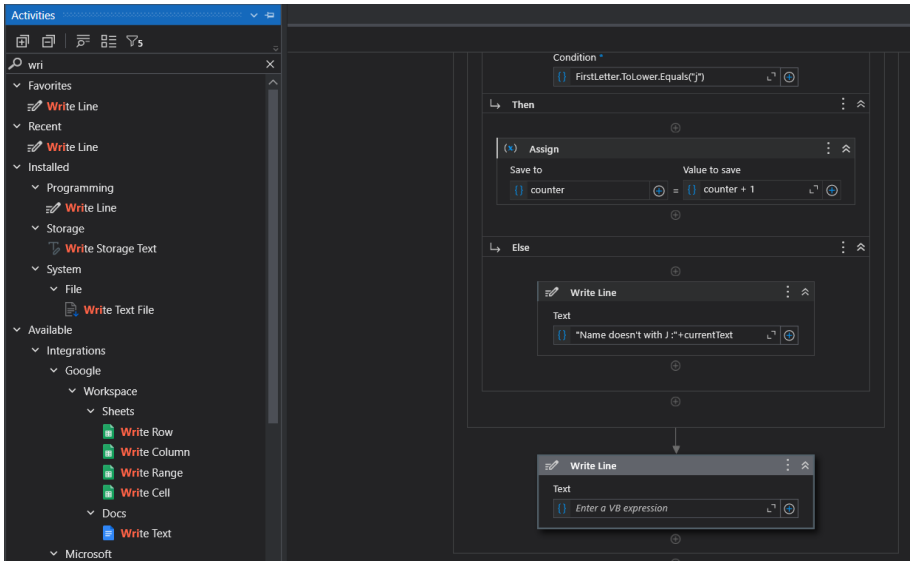
- Add Assign inside for each loop.



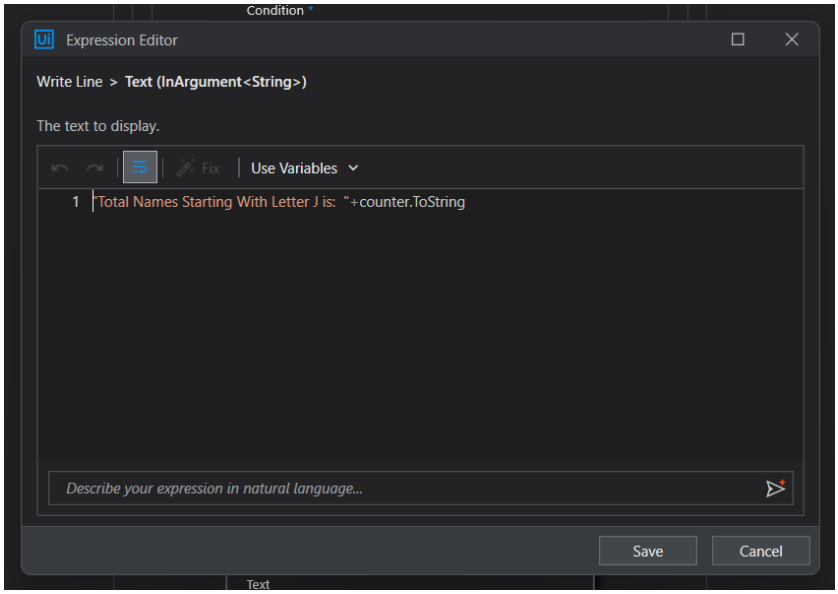
Add If Statement



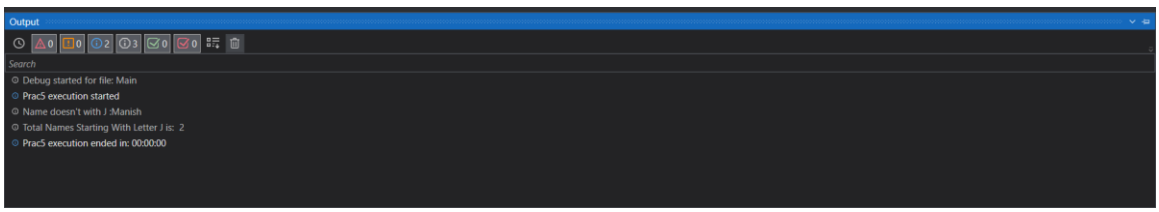
Add Write Line outside For Each Loop.



Inside Write Line Write This



Output:



Practical 6A

Practical Aim: Create an application automating read, write, and append operations on an Excel file.

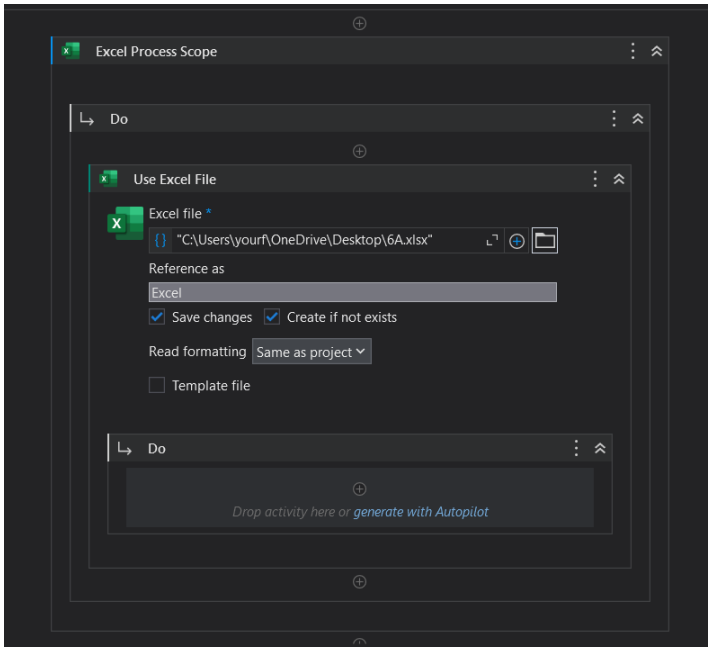
Steps to Solve:

- Create an demo excel file with sample data

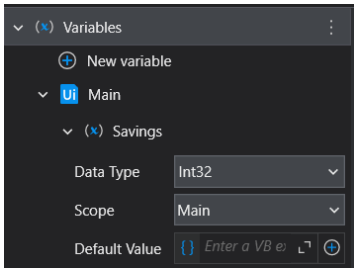
	A	B	C	D
1	Name	Salary	Expence	Savings
2	Manish	20000	18000	
3	Aditya	20000	19000	
4	Sid	50000	1000	

- Create New Process.

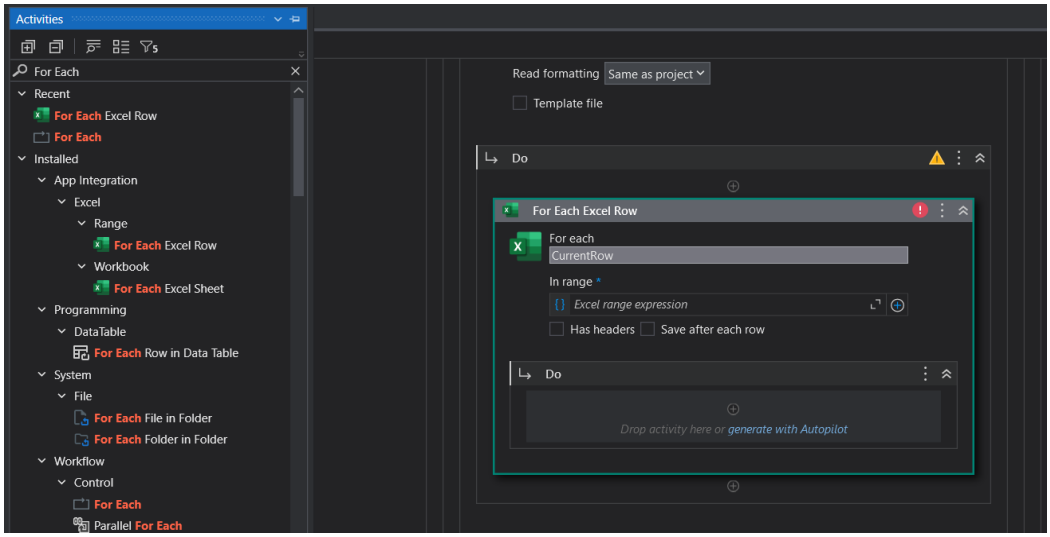
- Add Excel Process Scope And Use Excel File Activities and select Demo Excel file.



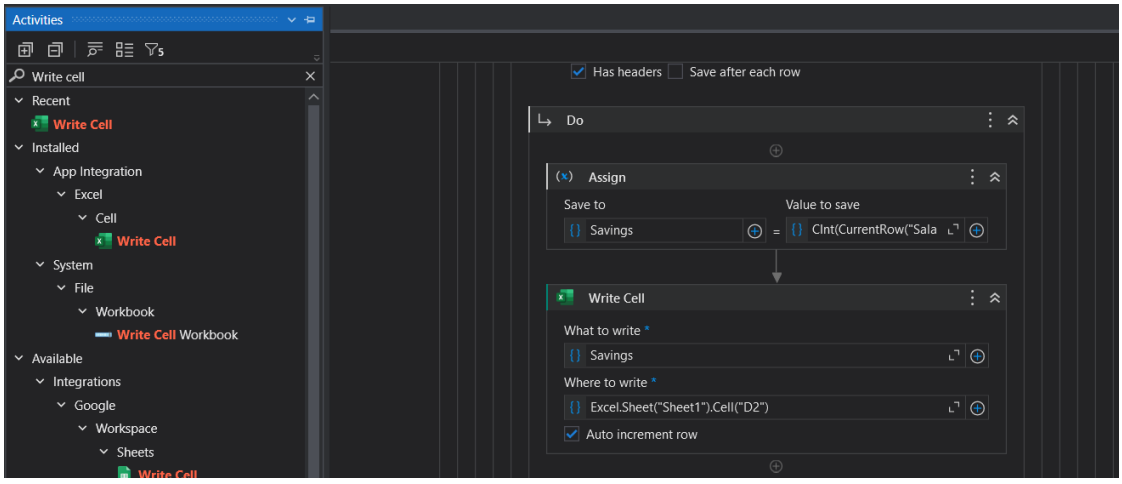
- Create one variable as Savings.



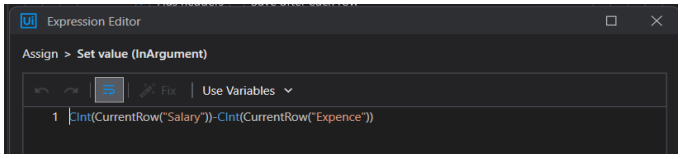
- Add For Each Excel Row.



- Add Write Cell And Tick on Auto Increment row.



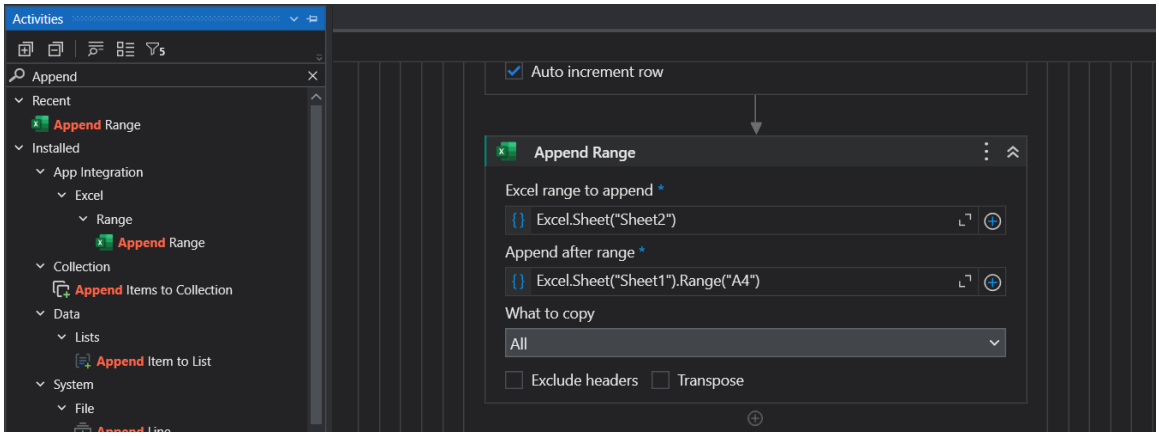
- Write this inside Assign.



- Create Dummy data in other sheet in excel to append

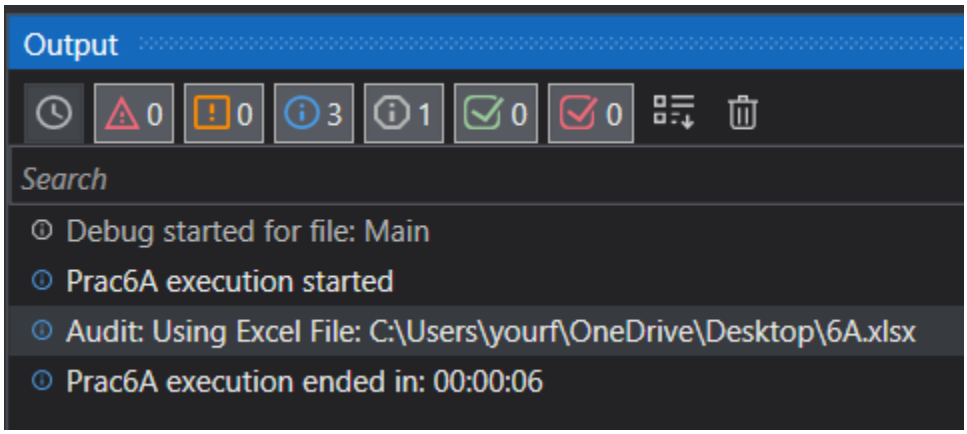
	A	B	C	D
1	Piplo	100000	99900	100
2	Gintama	10	7	3

- Add Append range activity and specify the range to append the values



- Click on Run File option and get the output in excel

	A	B	C	D
1	Name	Salary	Expence	Savings
2	Manish	20000	18000	2000
3	Aditya	20000	19000	1000
4	Sid	50000	1000	49000
5	Piplo	100000	99900	100
6	Gintama	10	7	3



Practical 6B

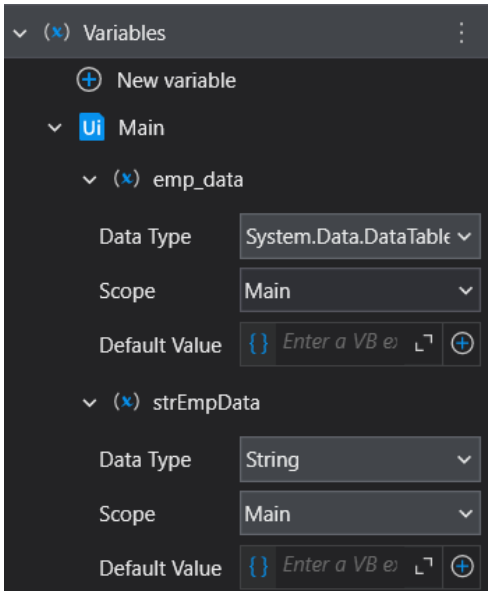
Practical Aim: Automate the process of extracting data from an Excel file into a data table and vice versa.

Steps to Solve:

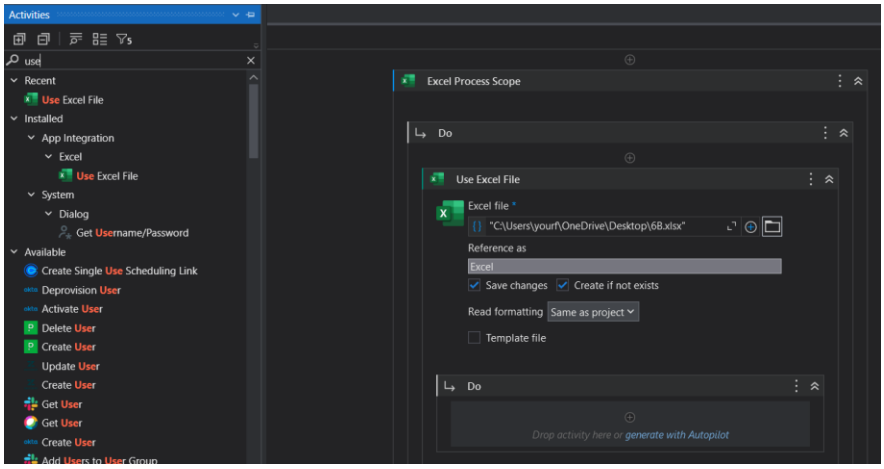
- Create a new UiPath process.
- Create 2 Excel files one with data and one blank.

	A	B	C	D
1	Name	Salary	Expence	Savings
2	Manish	20000	18000	2000
3	Aditya	20000	19000	1000
4	Sid	50000	1000	49000
5	Piplo	100000	99900	100
6	Gintama	10	7	3

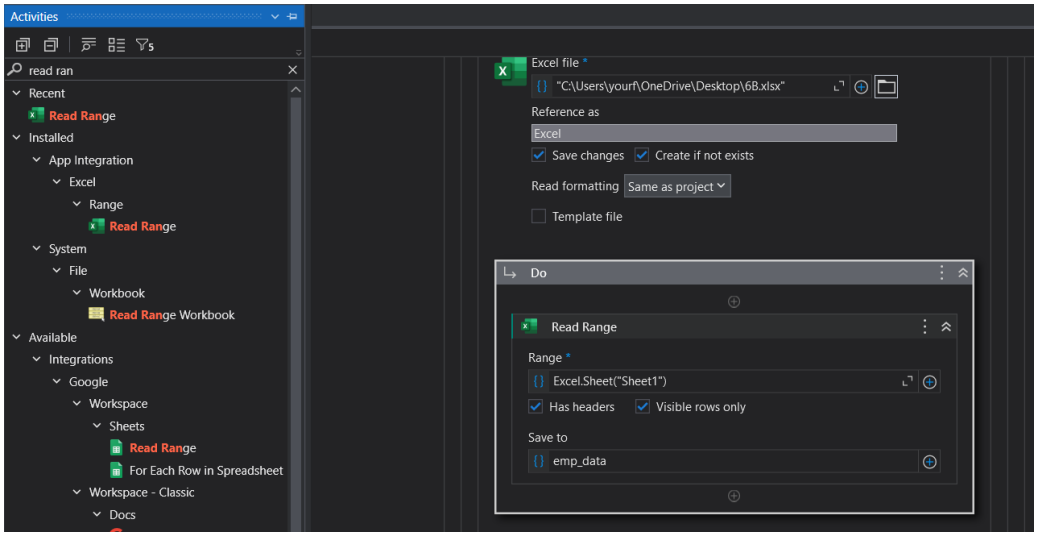
- Variables



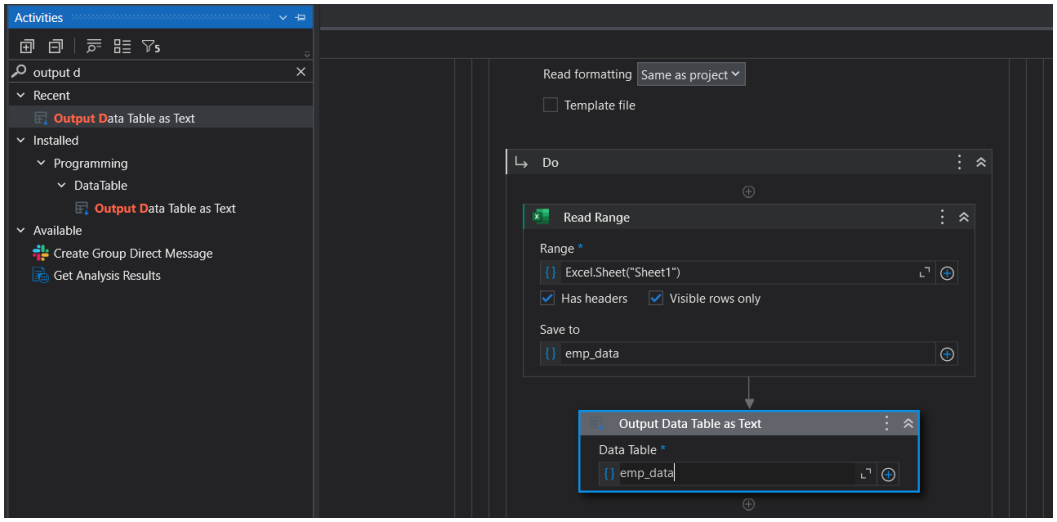
- Add Excel Process Scope and Use Excel File and select file with data.



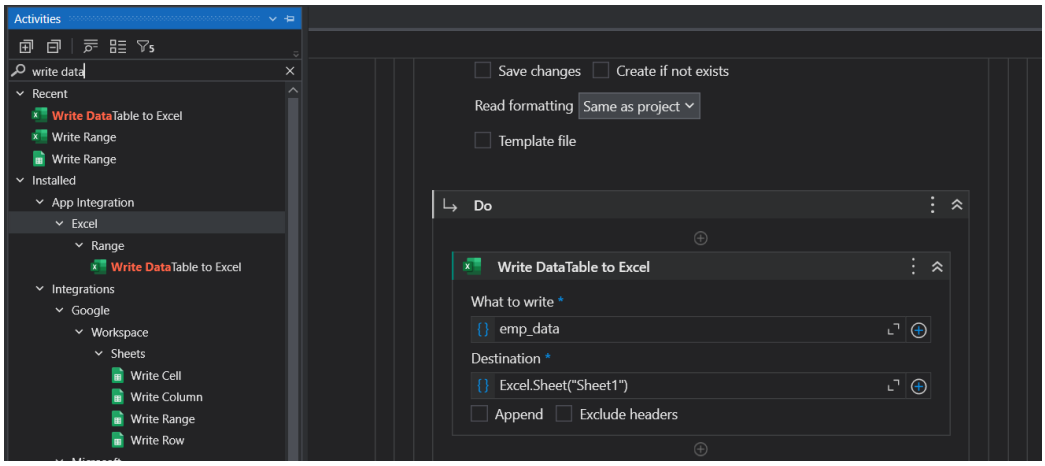
- Add Read Range and select excel file.



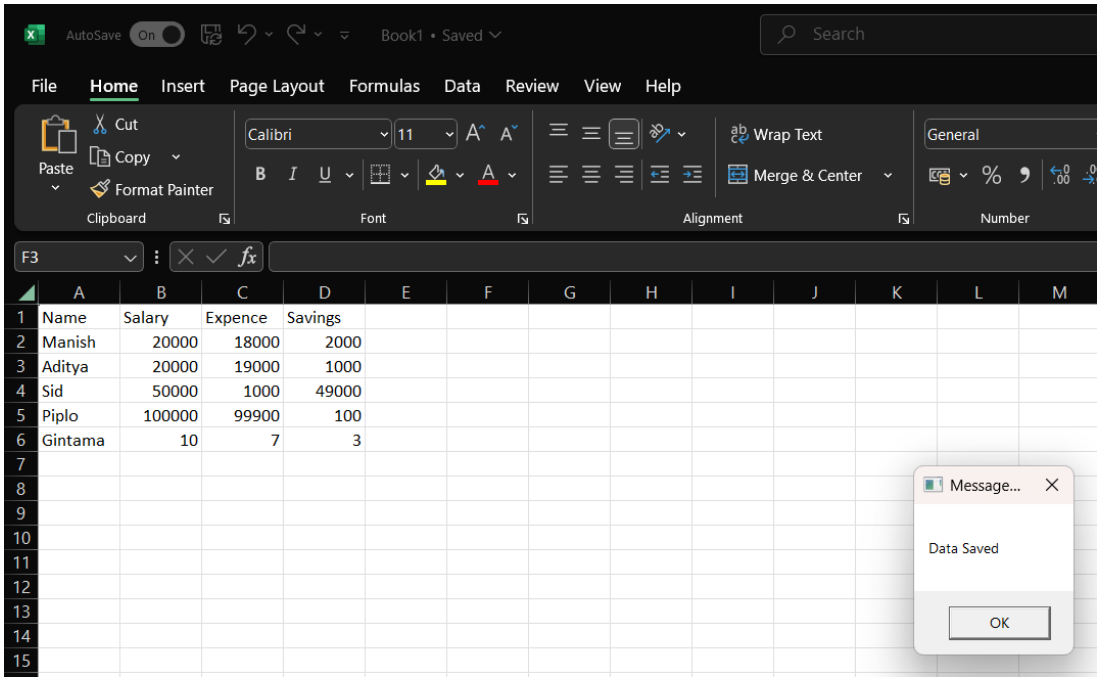
- Add “Output Data Table To Text” Activity.

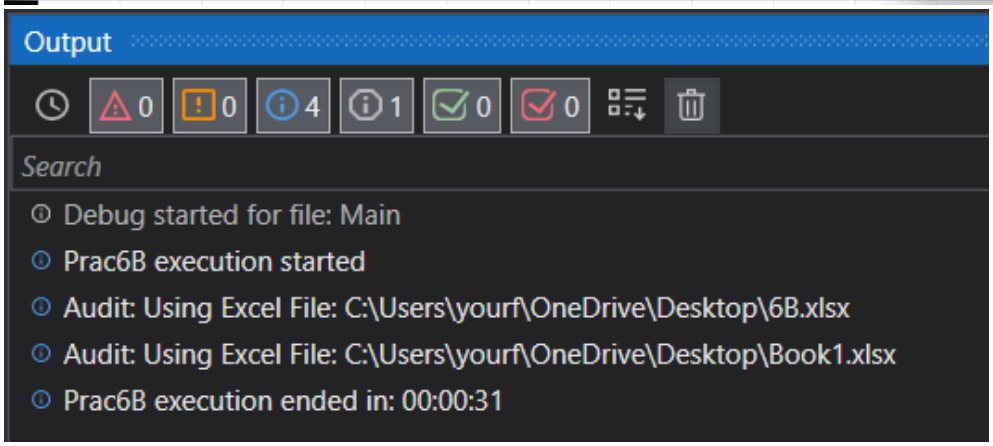


- Add “Write DataTable to Excel” Activity.



Output:


AutoSave On
Book1 • Saved
Search
File Home Insert Page Layout Formulas Data Review View Help
Cut
Copy
Format Painter
Paste
Clipboard
Calibri
11
Font
Wrap Text
Merge & Center
Alignment
General
Number
F3
Name Salary Expence Savings
Manish 20000 18000 2000
Aditya 20000 19000 1000
Sid 50000 1000 49000
Piplo 100000 99900 100
Gintama 10 7 3
Message...
Data Saved
OK


Output
0 0 4 1 0 0
Search
Debug started for file: Main
Prac6B execution started
Audit: Using Excel File: C:\Users\yourf\OneDrive\Desktop\6B.xlsx
Audit: Using Excel File: C:\Users\yourf\OneDrive\Desktop\Book1.xlsx
Prac6B execution ended in: 00:00:31

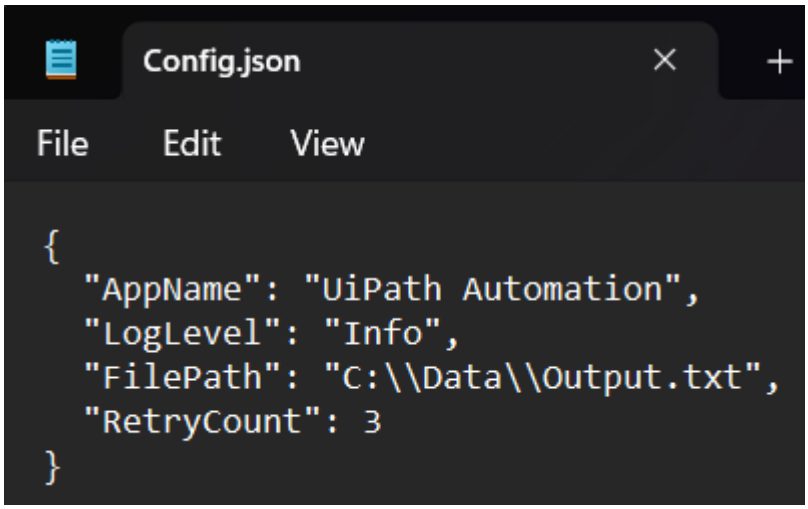
Practical 7A

Aim : Install and automate any process using UiPath with the following plug-ins:

a) JSON Config File

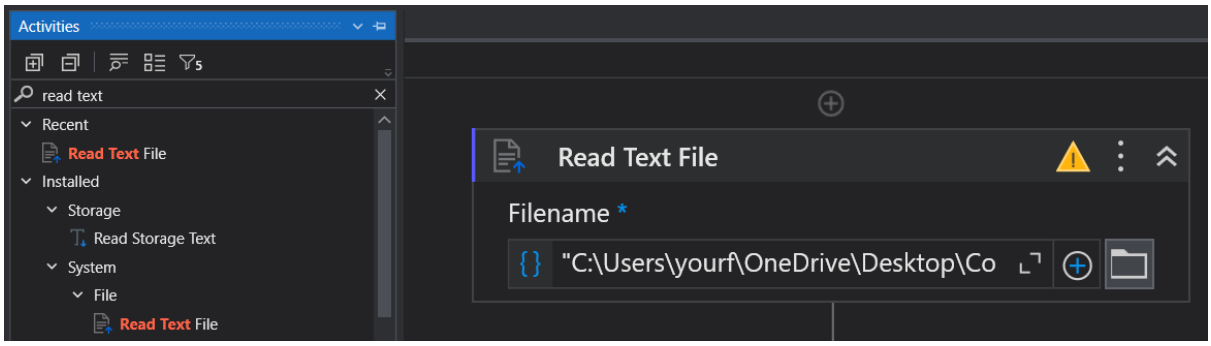
Steps :

- Open Notepad or any text editor and Create the JSON Config File.

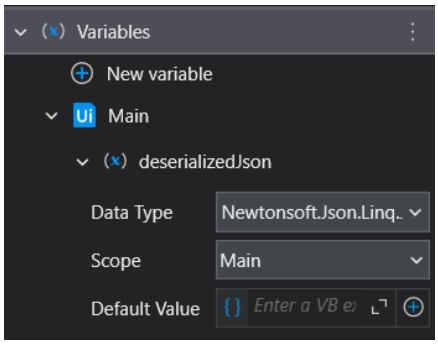


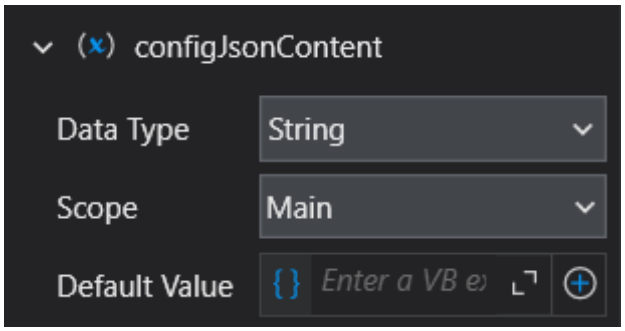
- Open UiPath Studio and create a new process.

- Search for **"Read Text File"** and drag it into your main workflow.

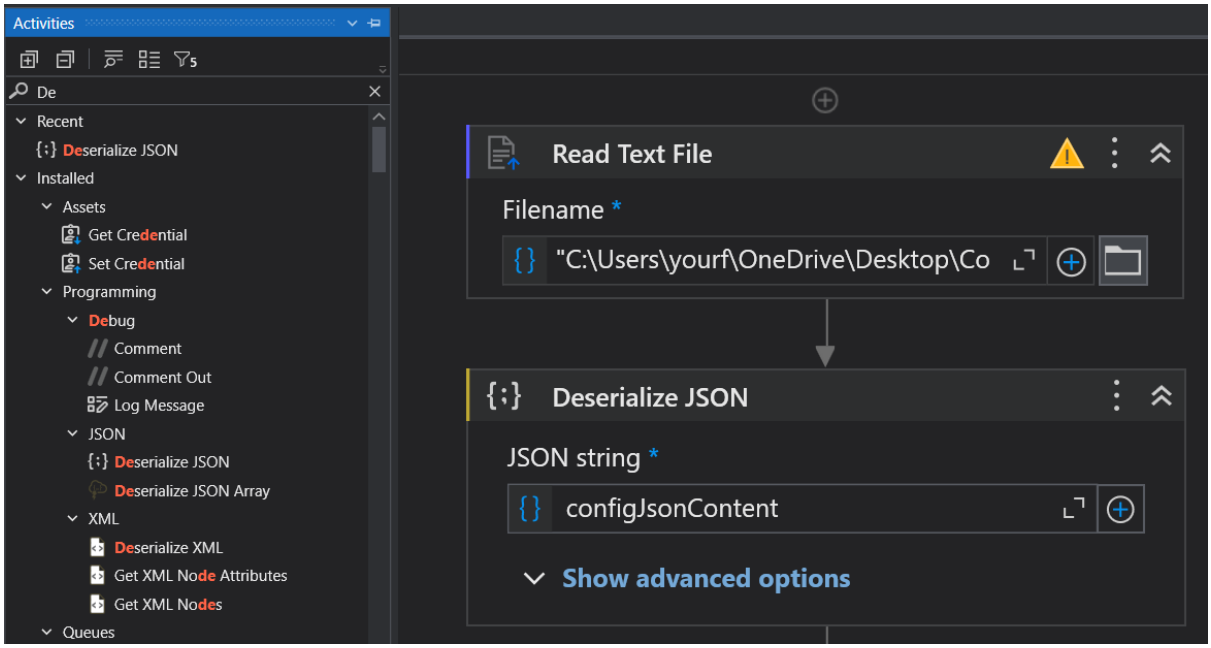


- Variables

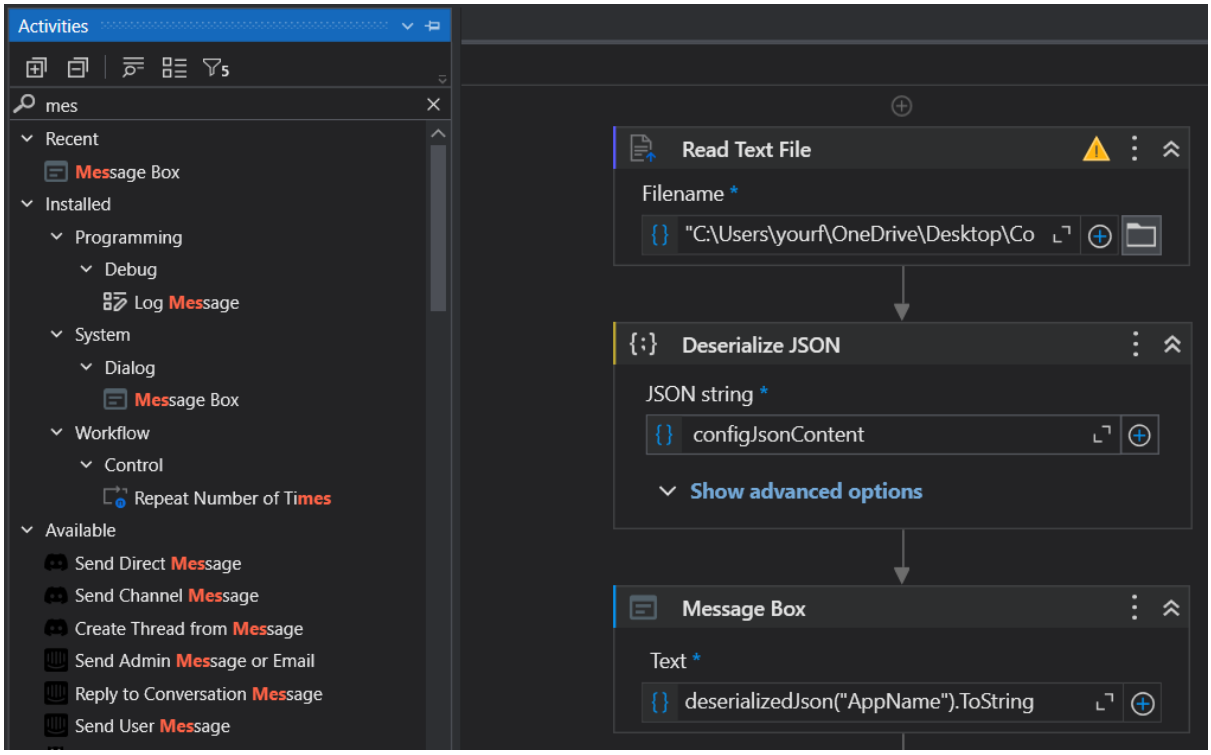




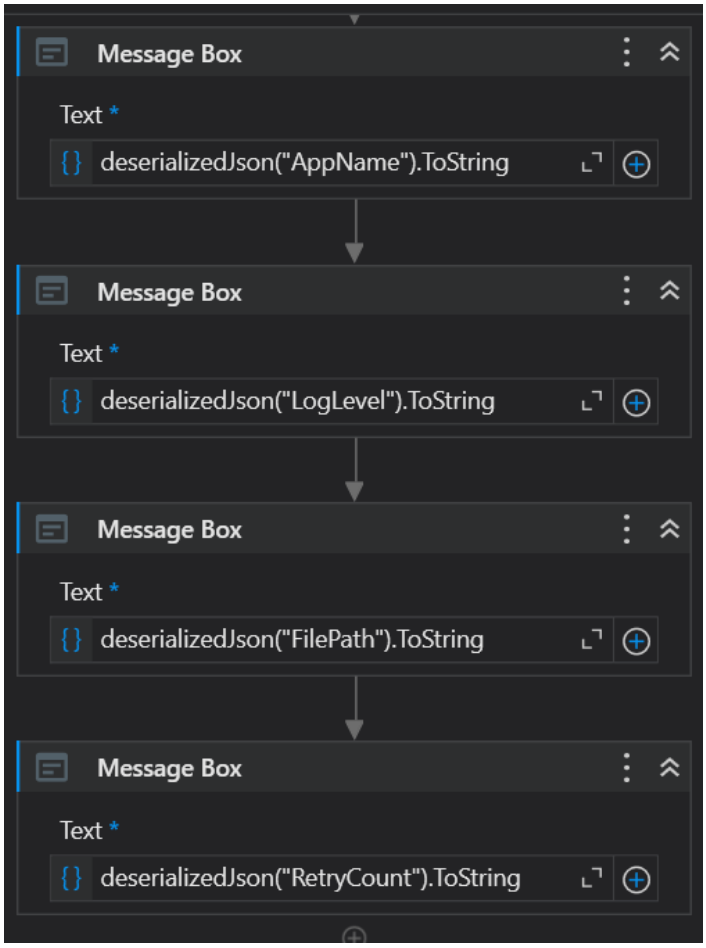
- Search for **"Deserialize JSON"** and drag it into your workflow.



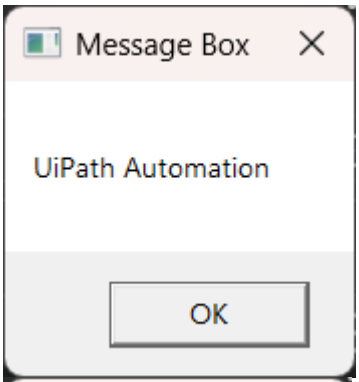
- Add **Message Box** activities to display the values.

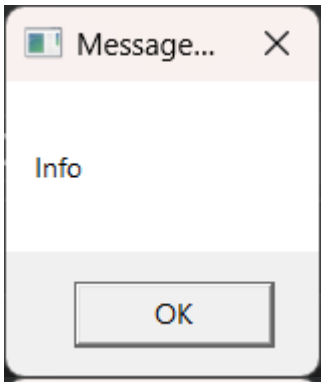


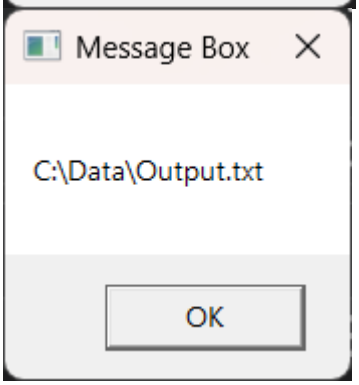
- Message Box

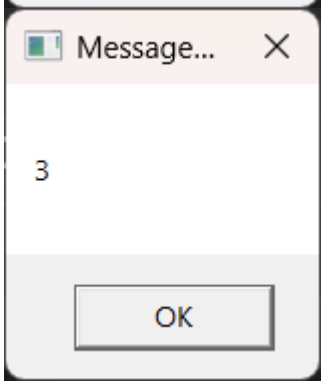


Output :







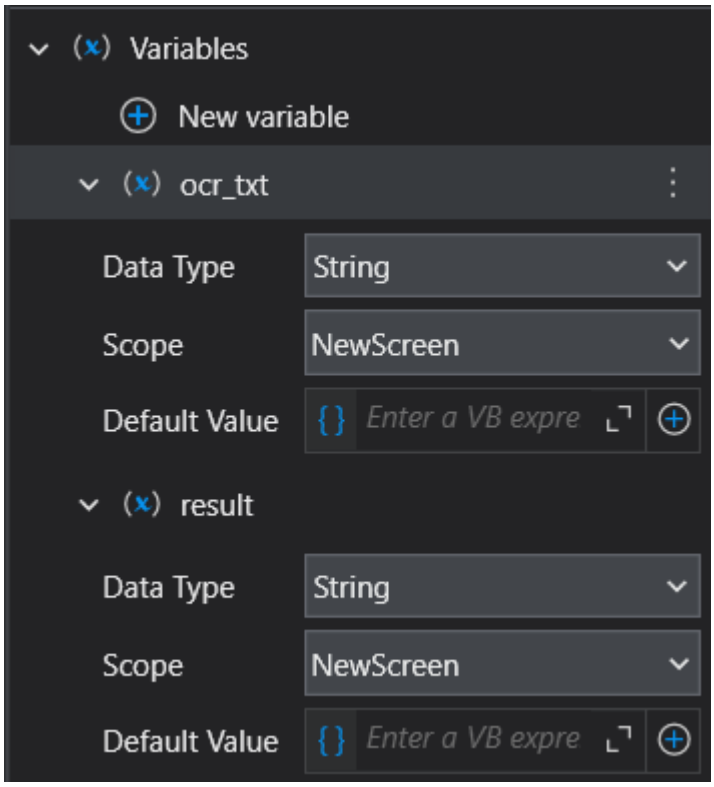


Practical 7B

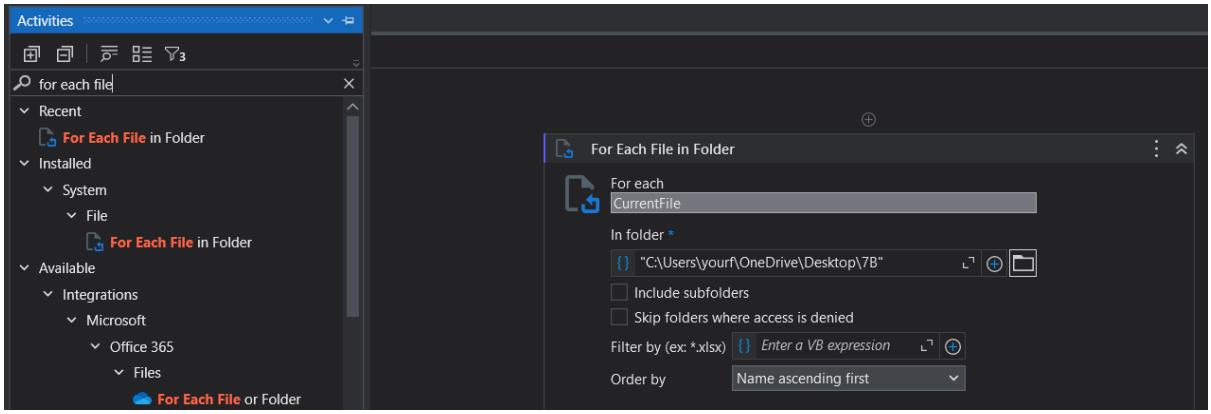
Aim : Automate the following screen scraping methods using UiPath Full Test (Invoice PDF) Extract and put value in Excel.

Steps :

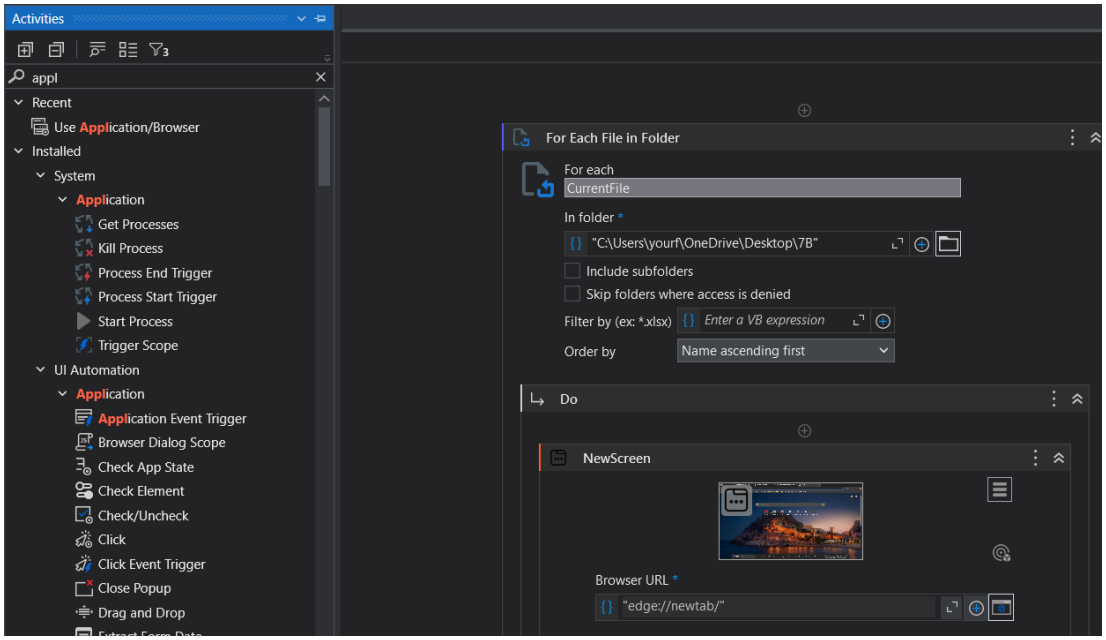
Variables :



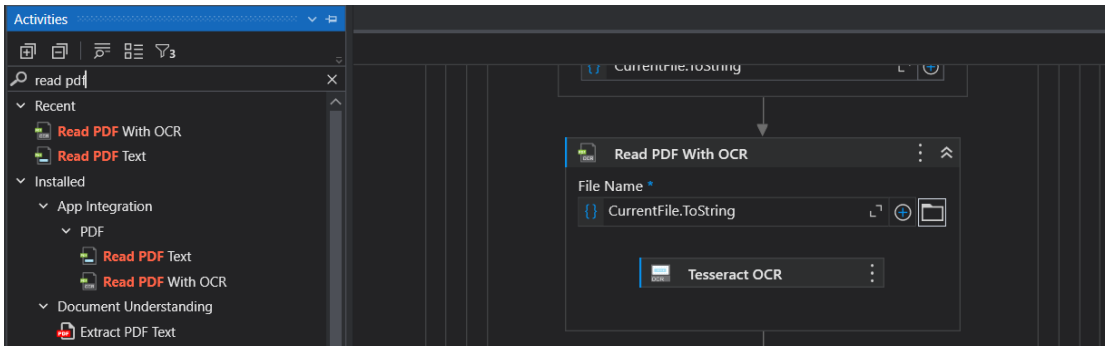
Add For Each File In Folder and select folder with invoice pdf.



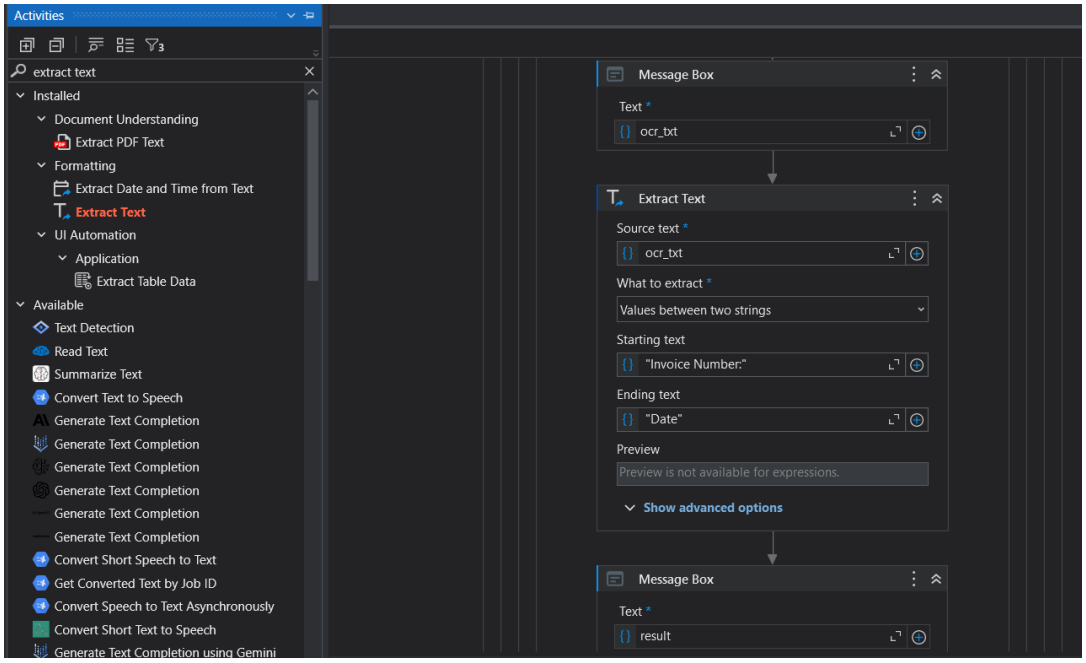
Add Use Application/Browser And Use any browser which has uipath browser extention.



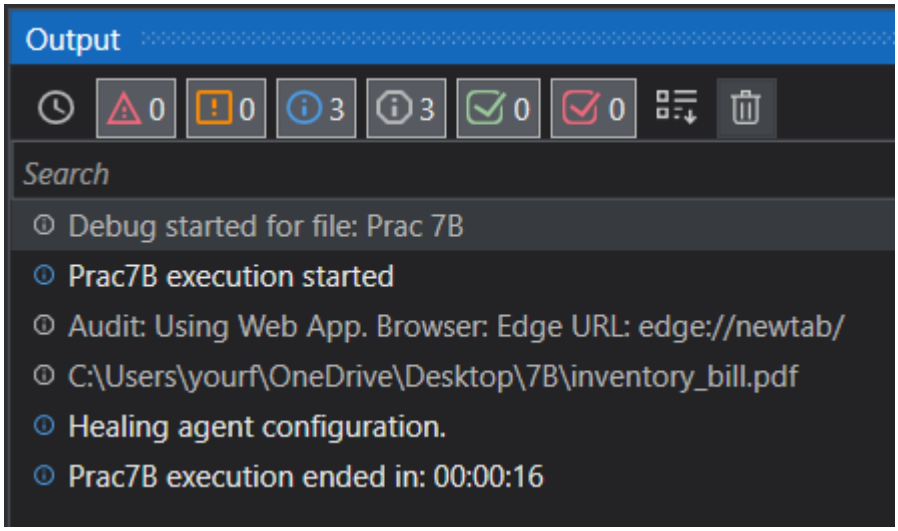
Add Read PDF With OCR and Select Tesseract OCR.

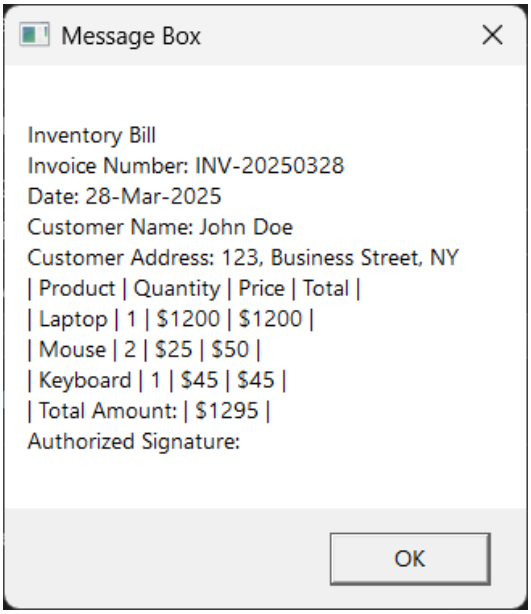


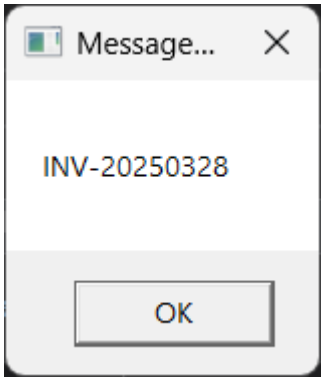
Add Message Box and Extract Text.



Output :


Output
0
0
3
3
0
0
Search
Debug started for file: Prac 7B
Prac7B execution started
Audit: Using Web App. Browser: Edge URL: edge://newtab/
C:\Users\yourf\OneDrive\Desktop\7B\inventory_bill.pdf
Healing agent configuration.
Prac7B execution ended in: 00:00:16


Message Box
Inventory Bill
Invoice Number: INV-20250328
Date: 28-Mar-2025
Customer Name: John Doe
Customer Address: 123, Business Street, NY
Product	Quantity	Price	Total
Laptop	1	$1200	$1200
Mouse	2	$25	$50
Keyboard	1	$45	$45
Total Amount:	$1295
Authorized Signature:
OK


Message...
INV-20250328
OK

Practical 7C

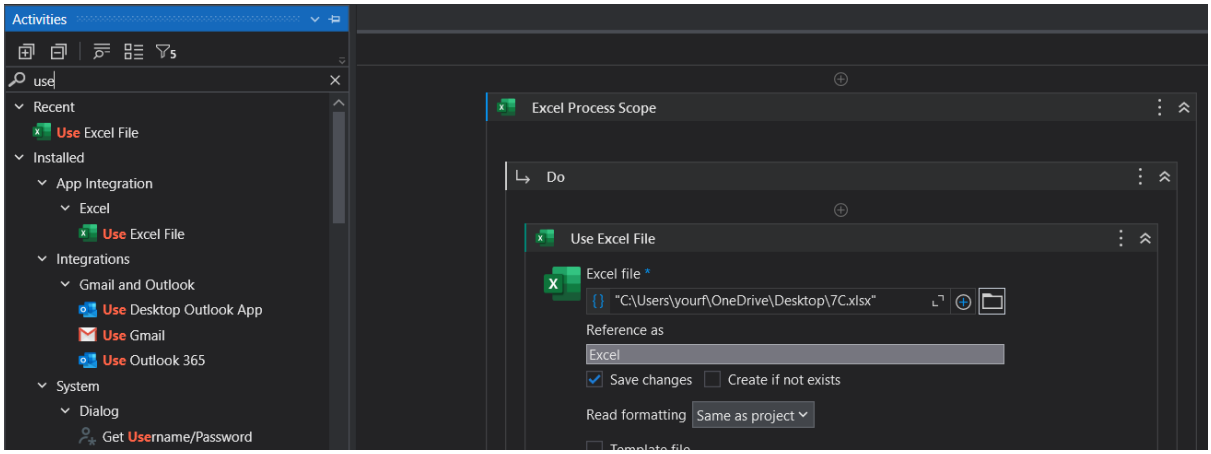
Aim : Automate the process of send mail event.

Steps :

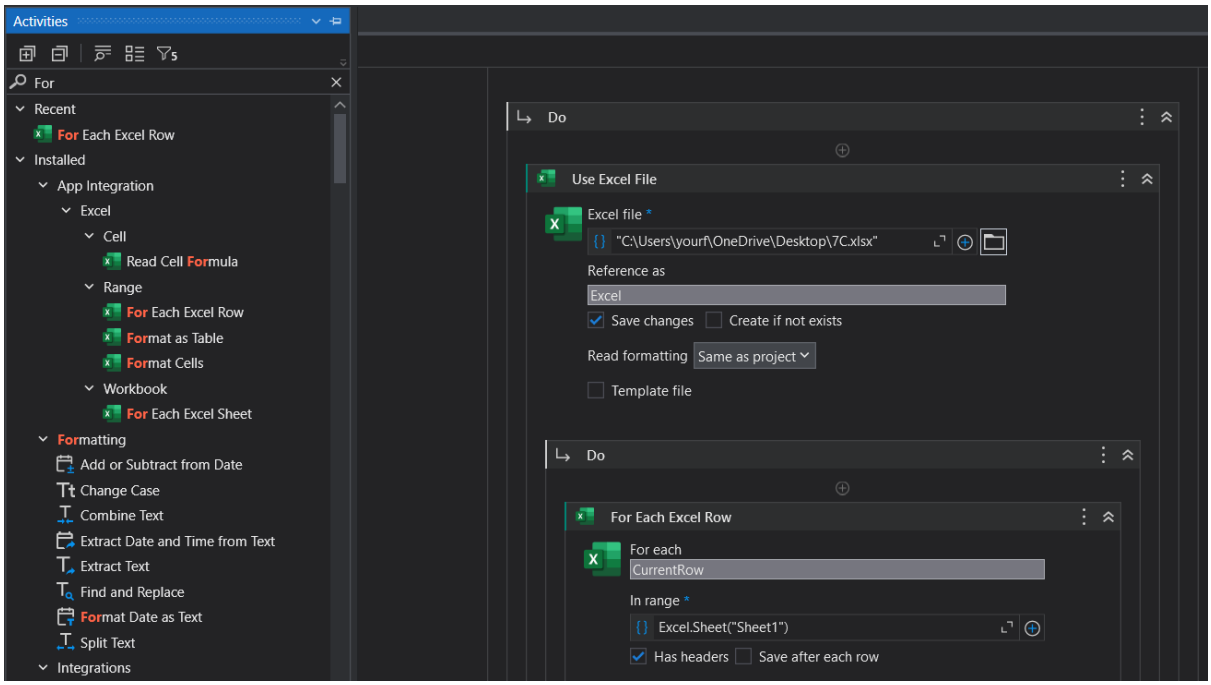
- Create A Excel file.

	A	B
1	Subject	Recipent
2	Manish Parab	yourf743@gmail.com
3	Manish Parab	monstermanish098@gmail.com

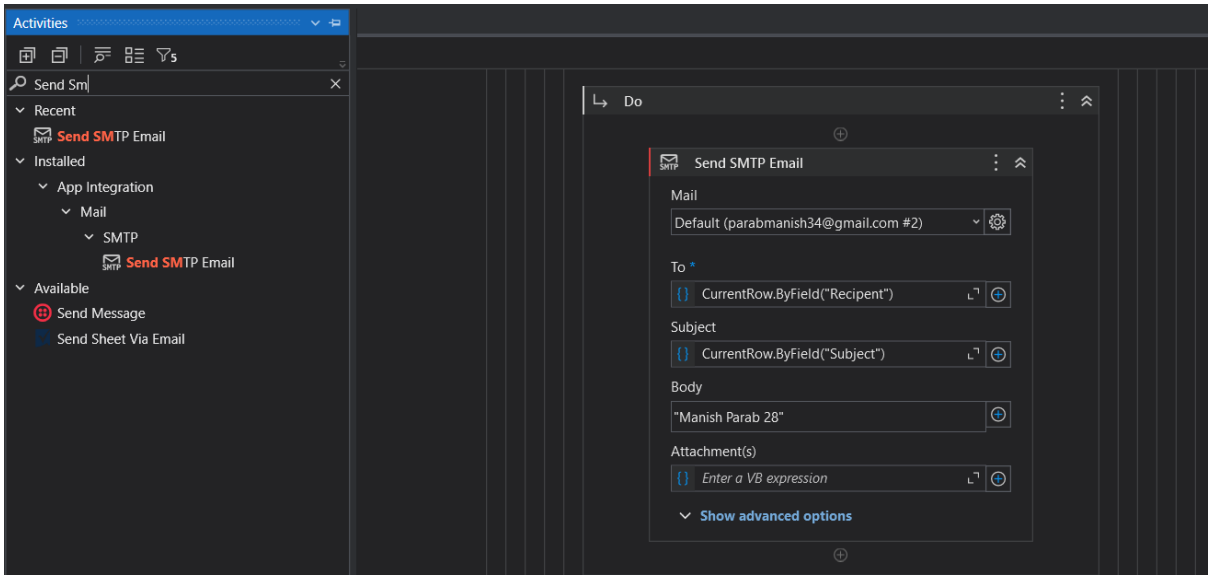
- Add Excel Process Scope , Use Excel File And Select Excel File.



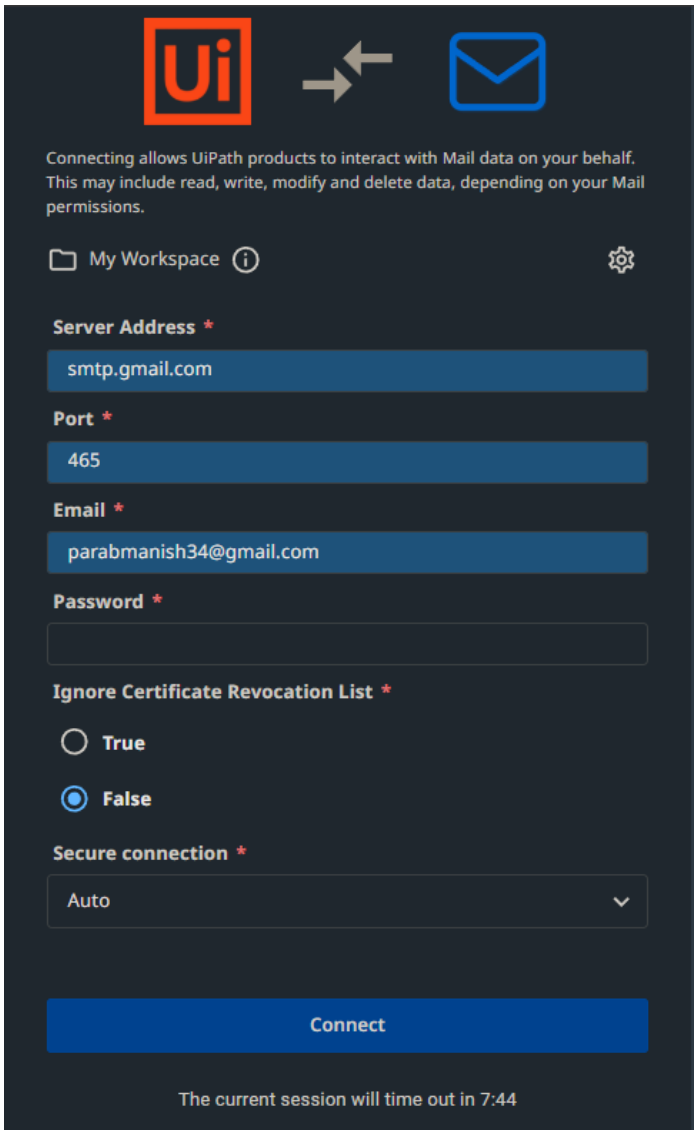
- Add For Each Excel Row.



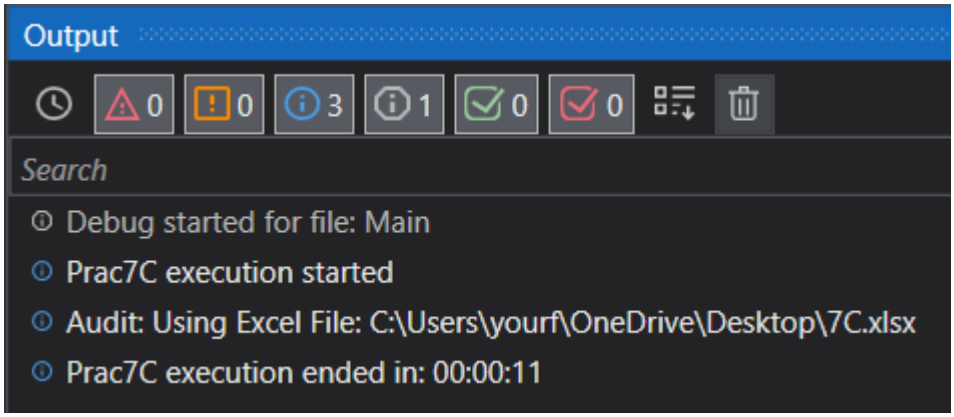
- Add Send SMTP Email

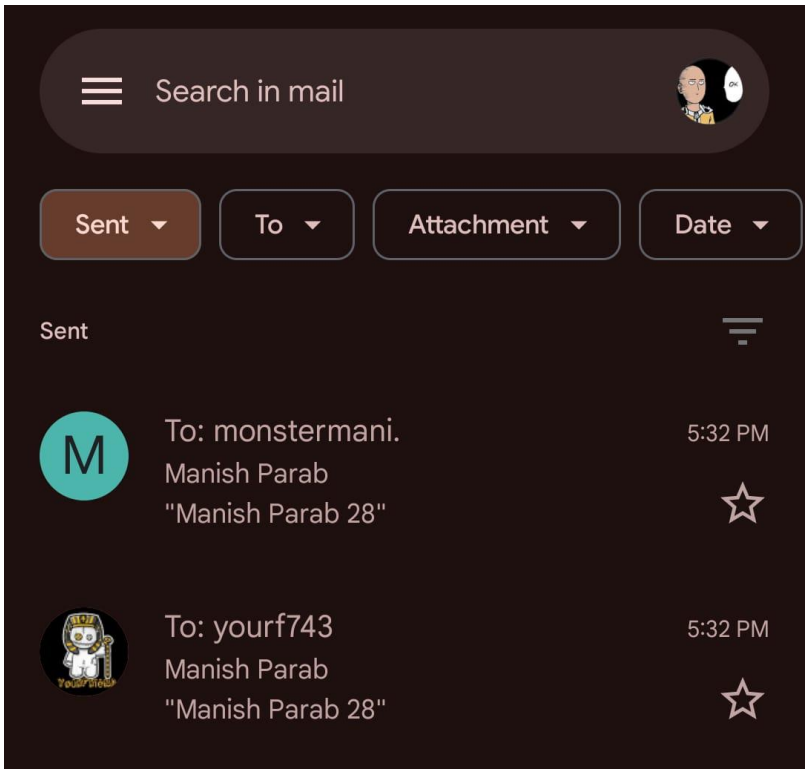


- Add Connection.



Output :


Output
0
0
3
1
0
0
Search
Debug started for file: Main
Prac7C execution started
Audit: Using Excel File: C:\Users\yourf\OneDrive\Desktop\7C.xlsx
Prac7C execution ended in: 00:00:11


Search in mail
Sent
To
Attachment
Date
Sent
M
To: monstermani.
Manish Parab
"Manish Parab 28"
5:32 PM
To: yourf743
Manish Parab
"Manish Parab 28"
5:32 PM

Practical 8A

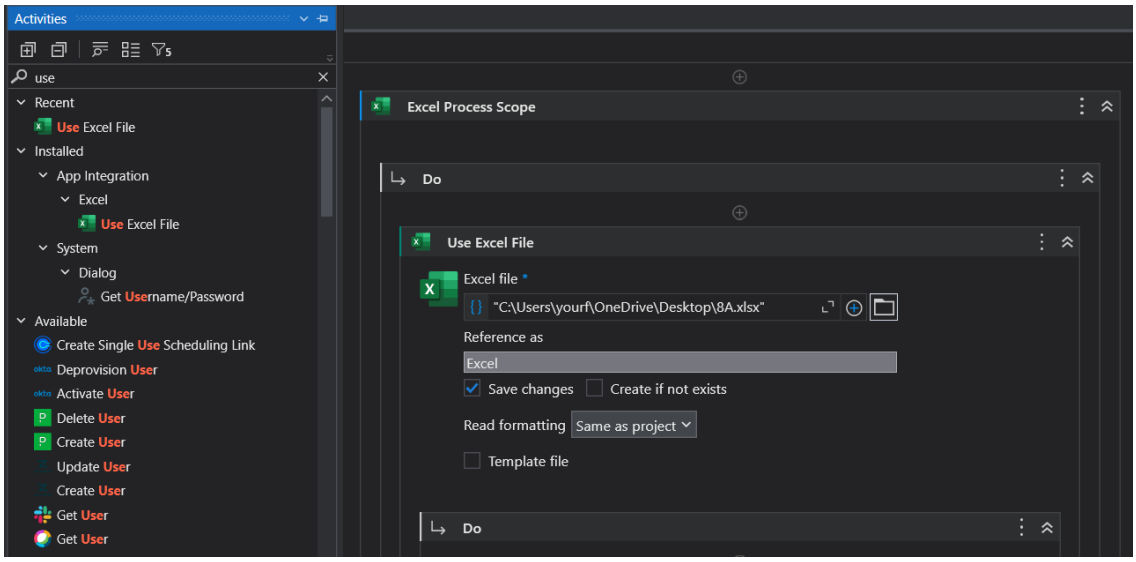
Aim : Demonstrate the use of config files in UiPath.

Steps :

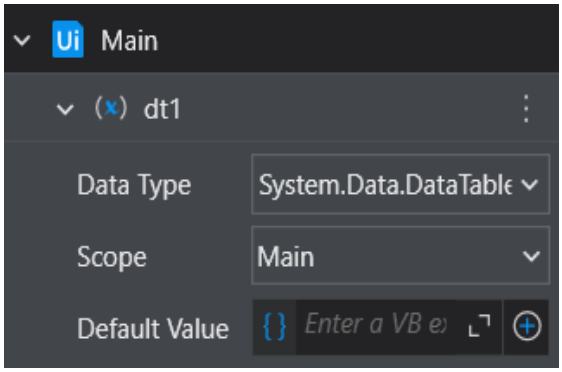
- Create demo excel file with data.

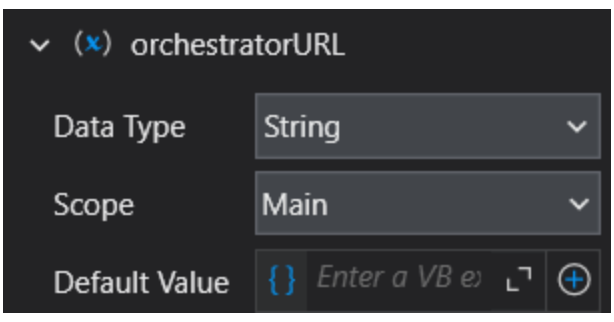
	A	B
1	**Key**	**Value**
2	OrchestratorURL	https://platform.uipath.com
3	LogLevel	Info
4	FilePath	C:\Data\Reports
5	MaxRetryCount	3

- Add Excel Process Scope ,Use Excel File and select demo excel file.

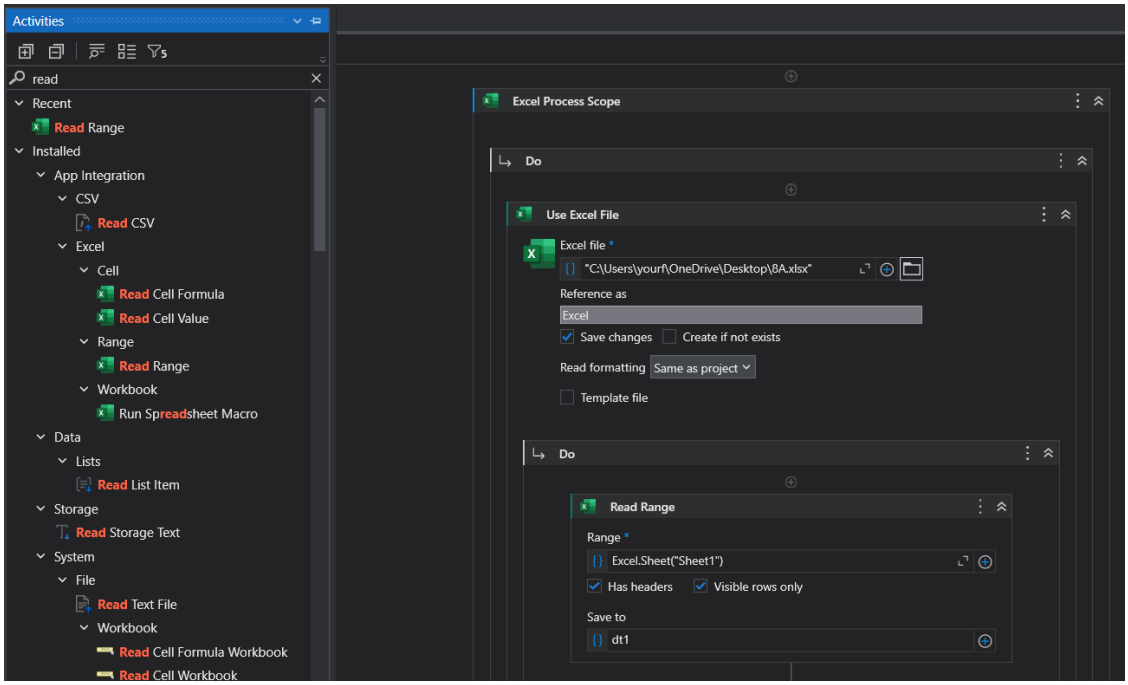


Variables

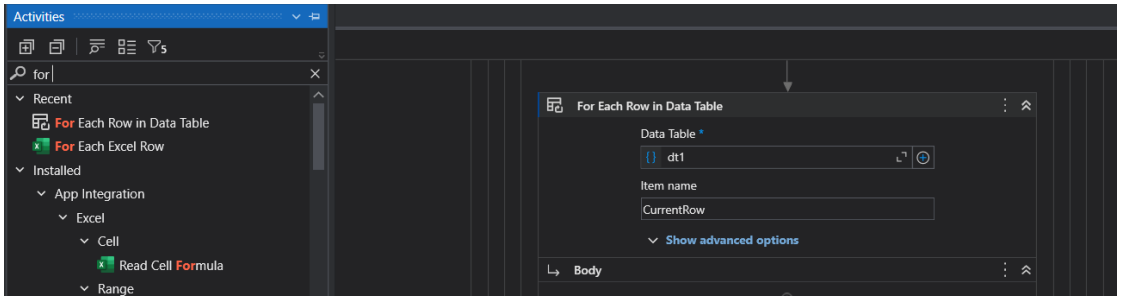




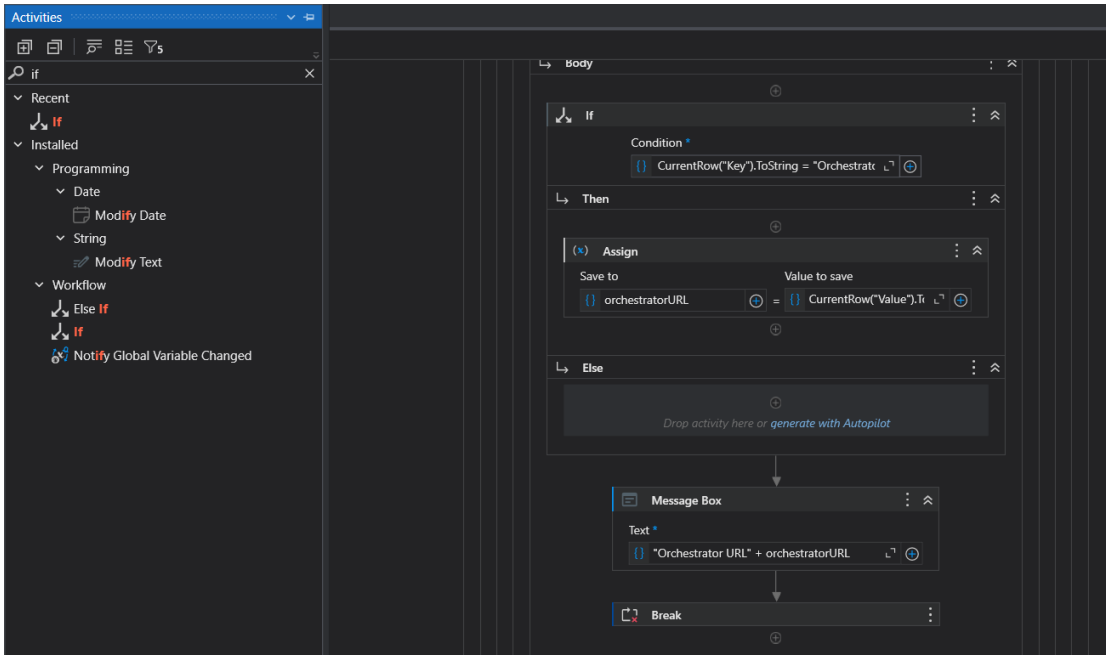
- Add Read Range

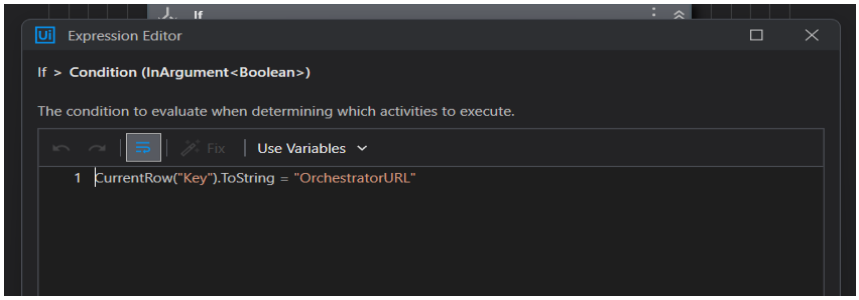


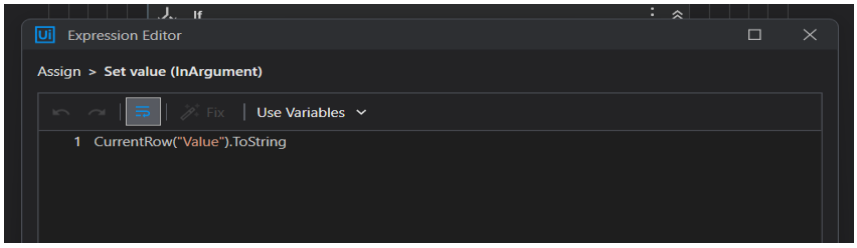
- Add For Each Row in Data Table



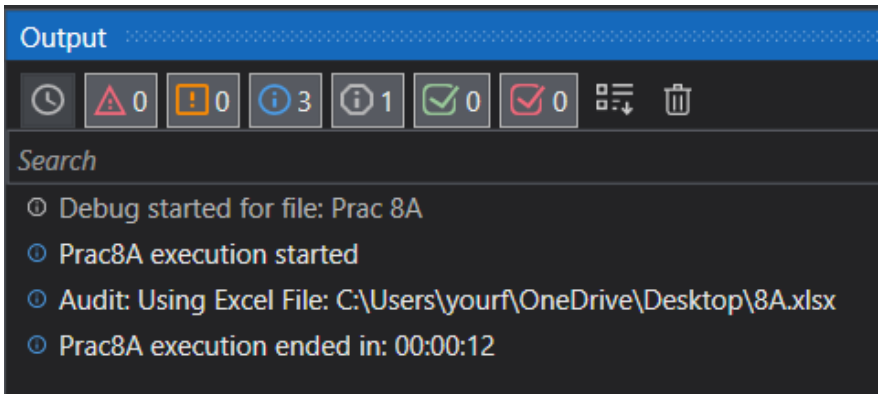
- Add If Statement.

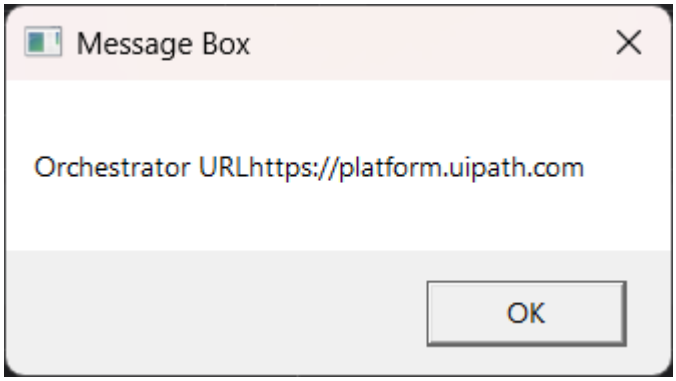



Expression Editor
If > Condition (InArgument<Boolean>)
The condition to evaluate when determining which activities to execute.
Fix
Use Variables
1 CurrentRow("Key").ToString = "OrchestratorURL"


Expression Editor
Assign > Set value (InArgument)
Fix
Use Variables
1 CurrentRow("Value").ToString

Output :


Output
0
0
3
1
0
0
Search
Debug started for file: Prac 8A
Prac8A execution started
Audit: Using Excel File: C:\Users\yourf\OneDrive\Desktop\8A.xlsx
Prac8A execution ended in: 00:00:12


Message Box
Orchestrator URLhttps://platform.uipath.com
OK

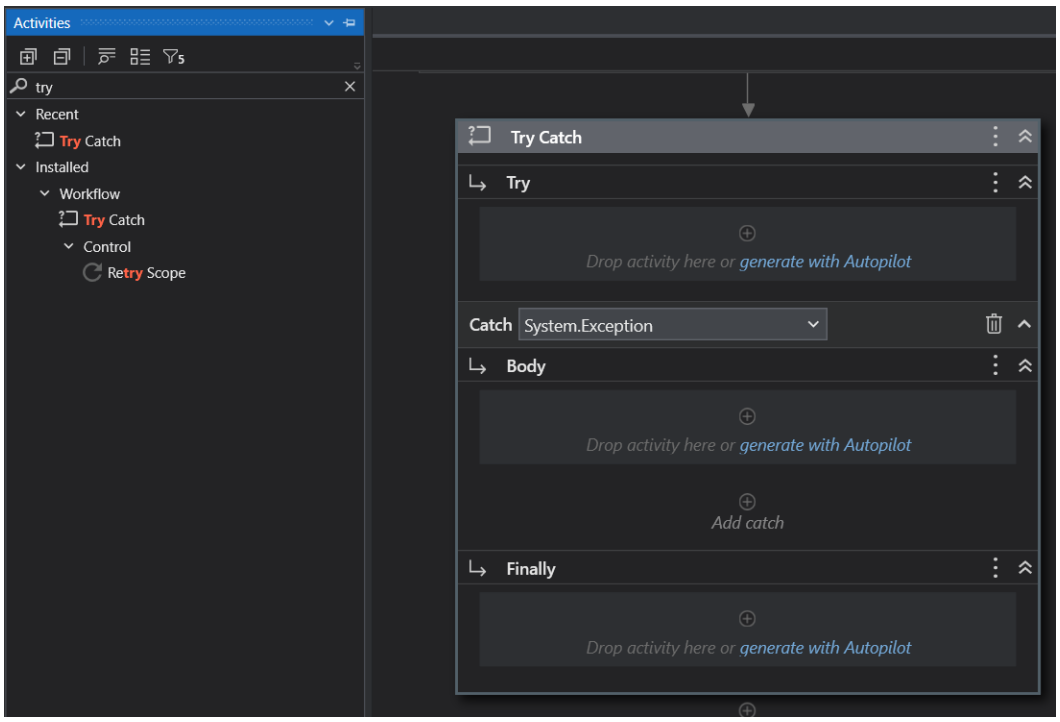
Practical 8B

Aim : Demonstrate the use of Exception handling in UiPath.

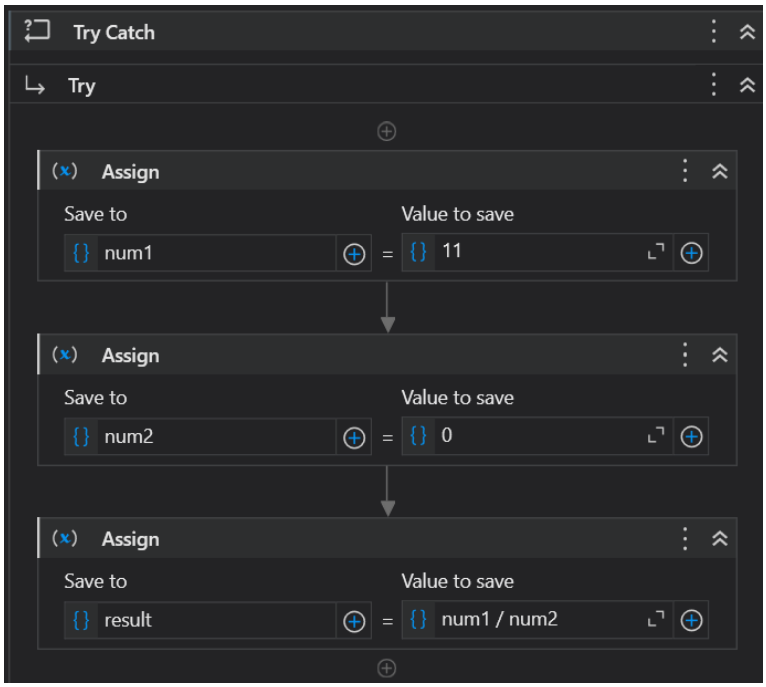
Steps :

- Create a New Sequence

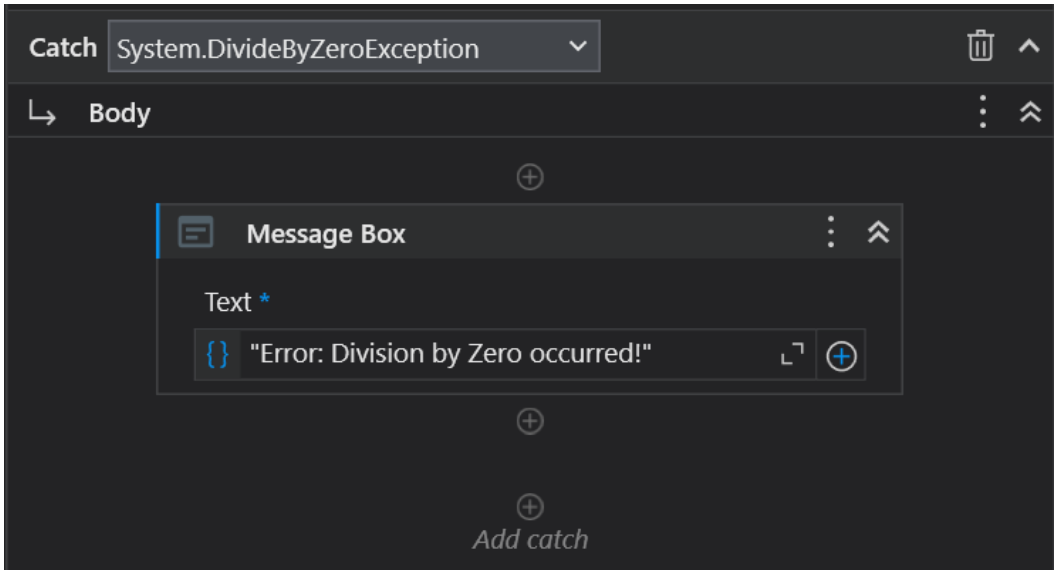
- Add Try Catch Activity.



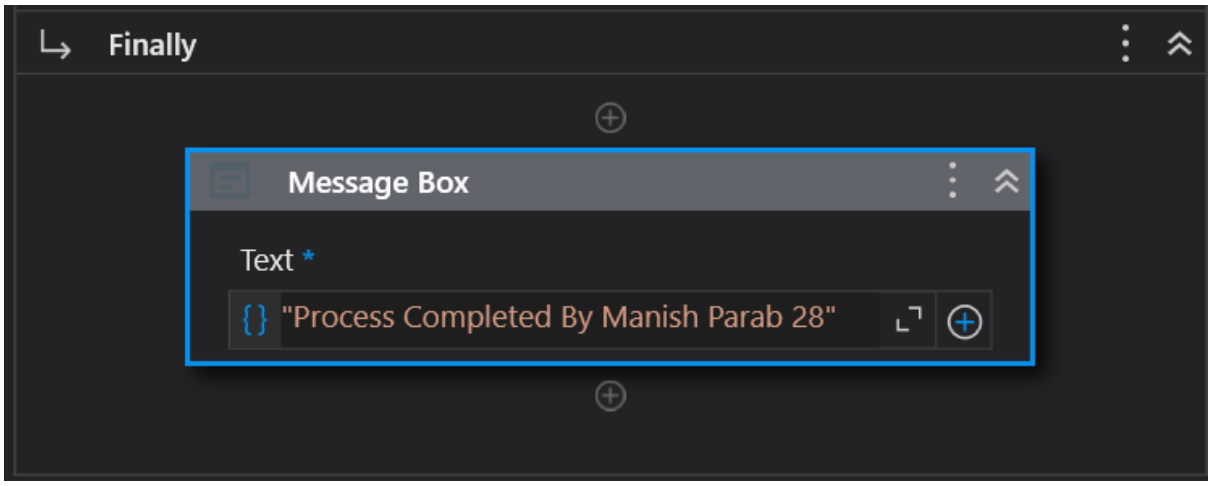
- Add Activities Inside the Try Block.



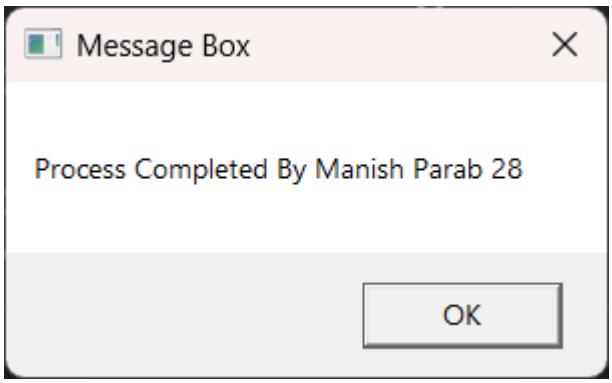
- In Catch Blocks Select System.DivideByZeroException And Message Box.



- In Finally Block Add Message box.



Output:

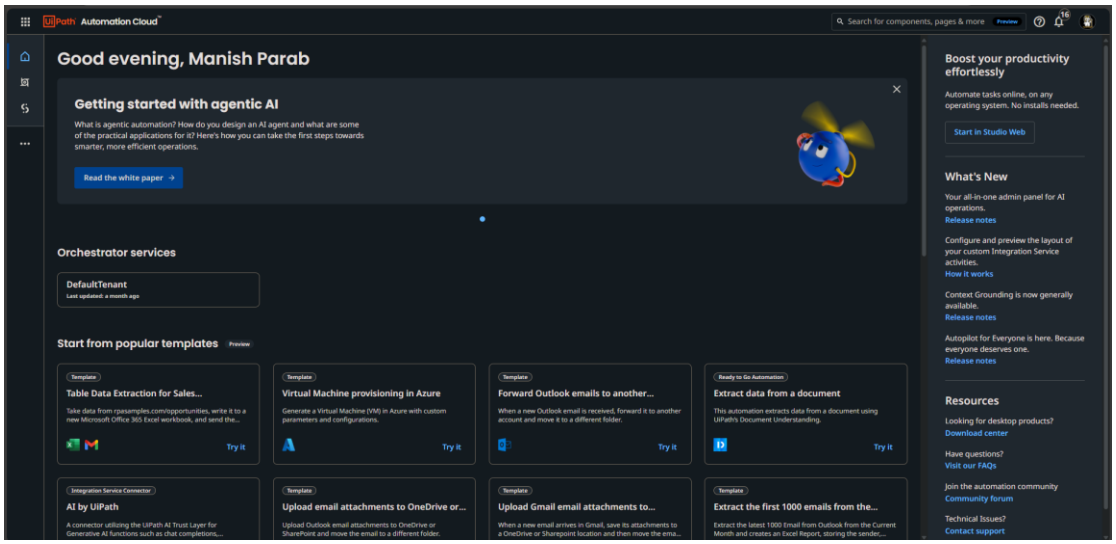


Practical 8C

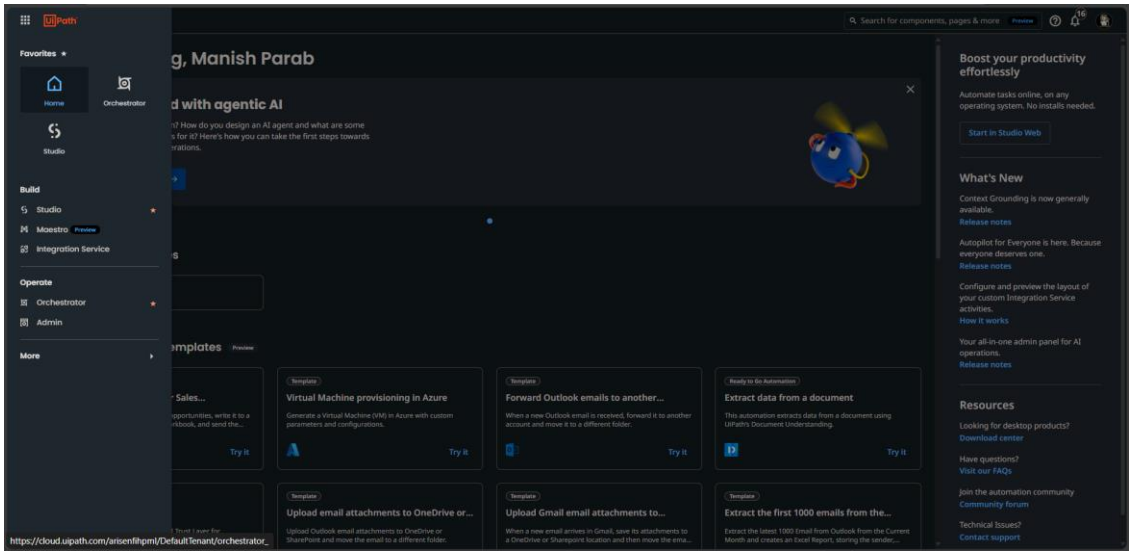
Aim : Create and provision Robot using Orchestrator.

Steps :

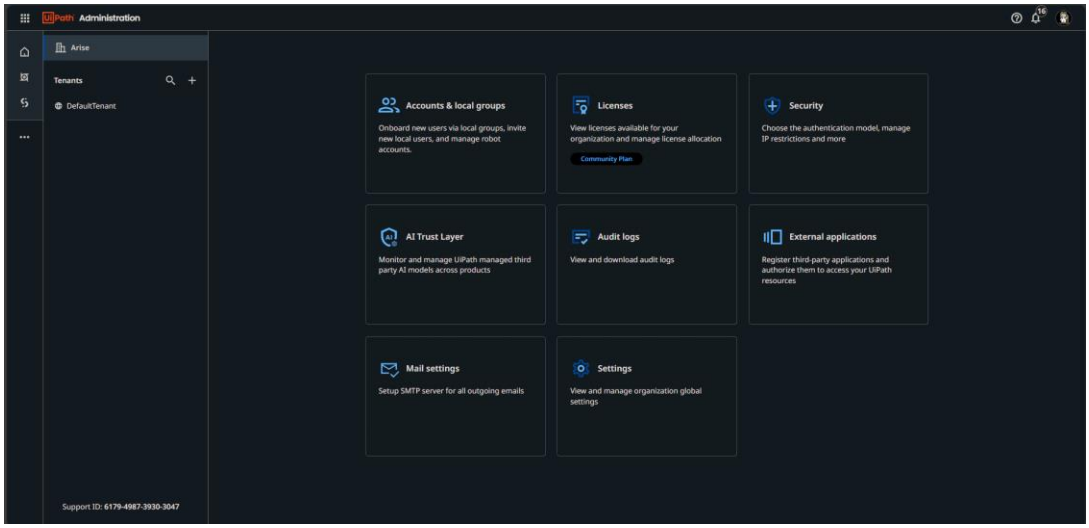
- Login to cloud.uipath.com



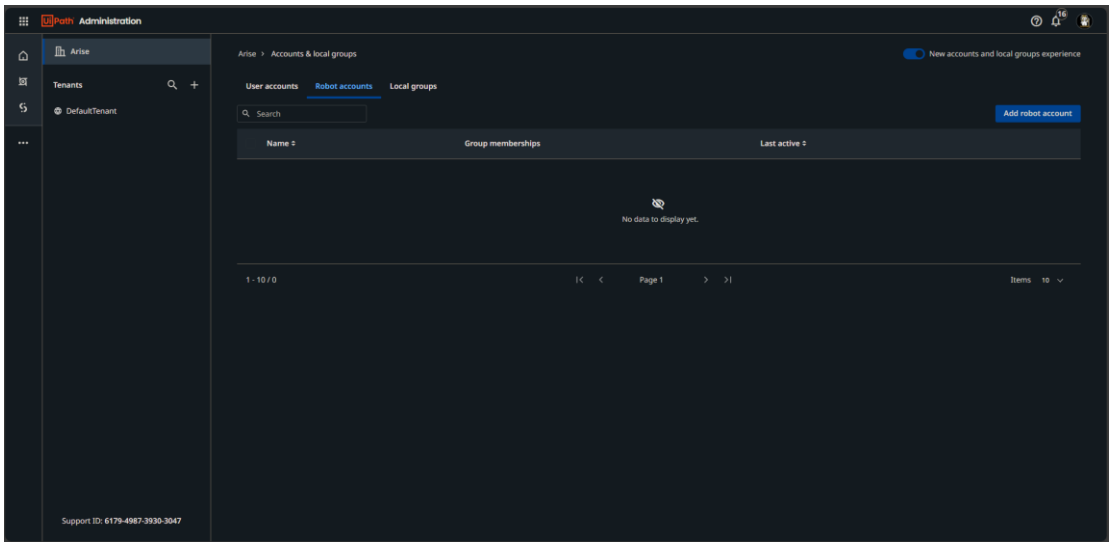
- Go to Admin tab



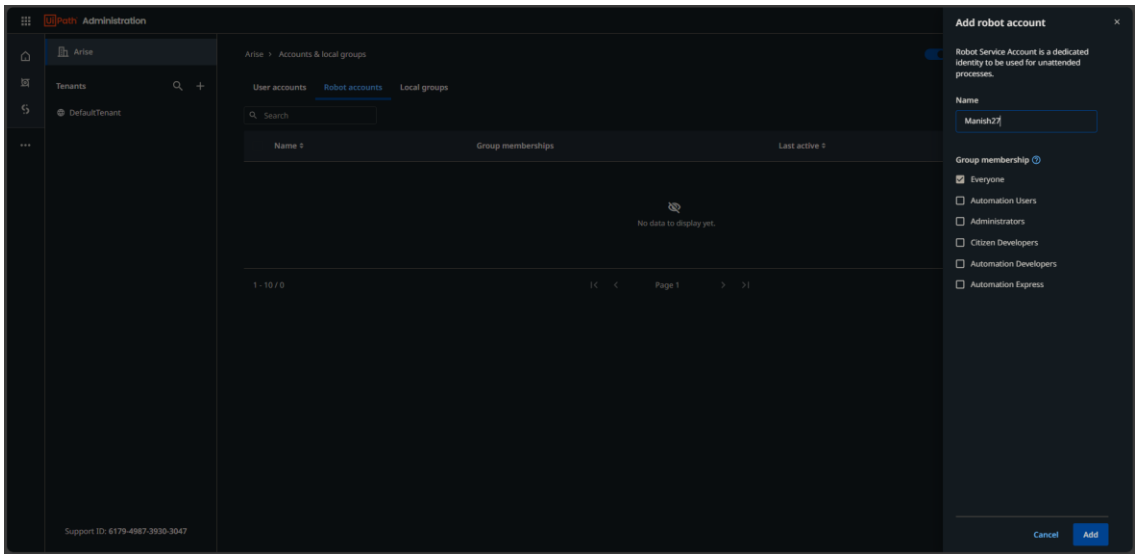
- Click on Accounts & local groups.



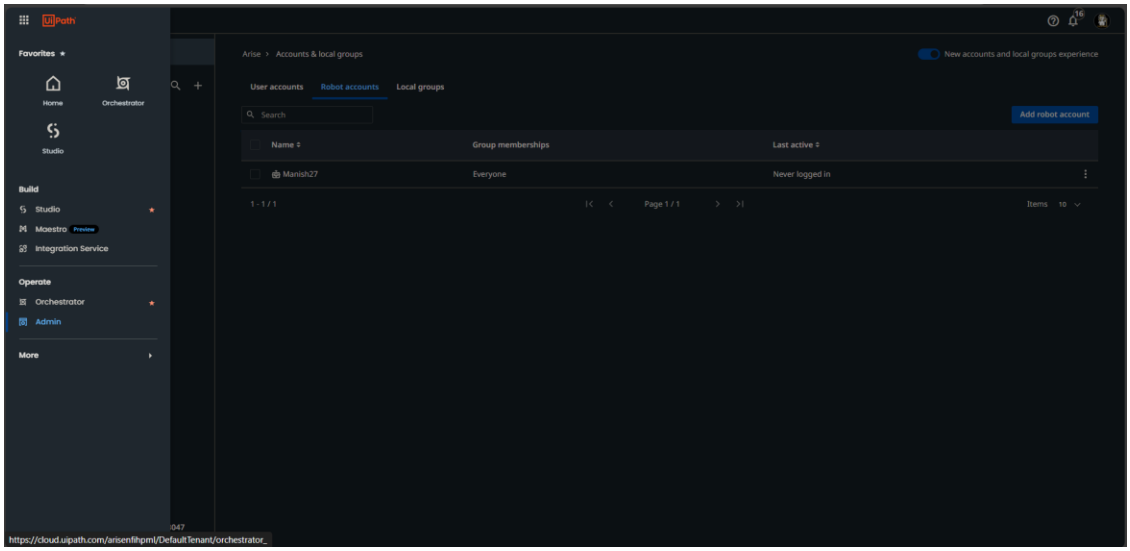
- Click on Robot accounts and then on Add robot account.



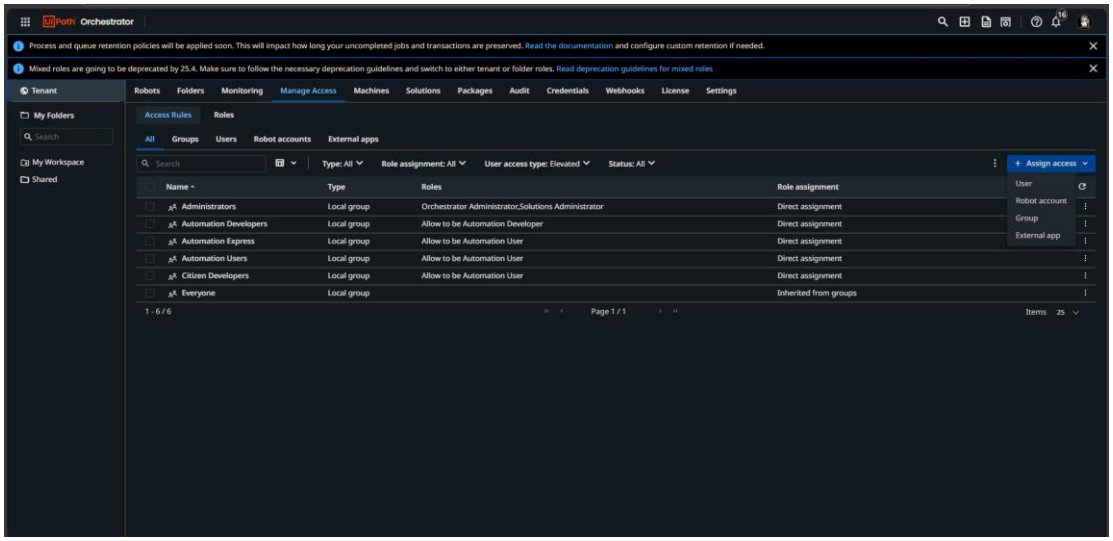
- Give name to robot add click on add.



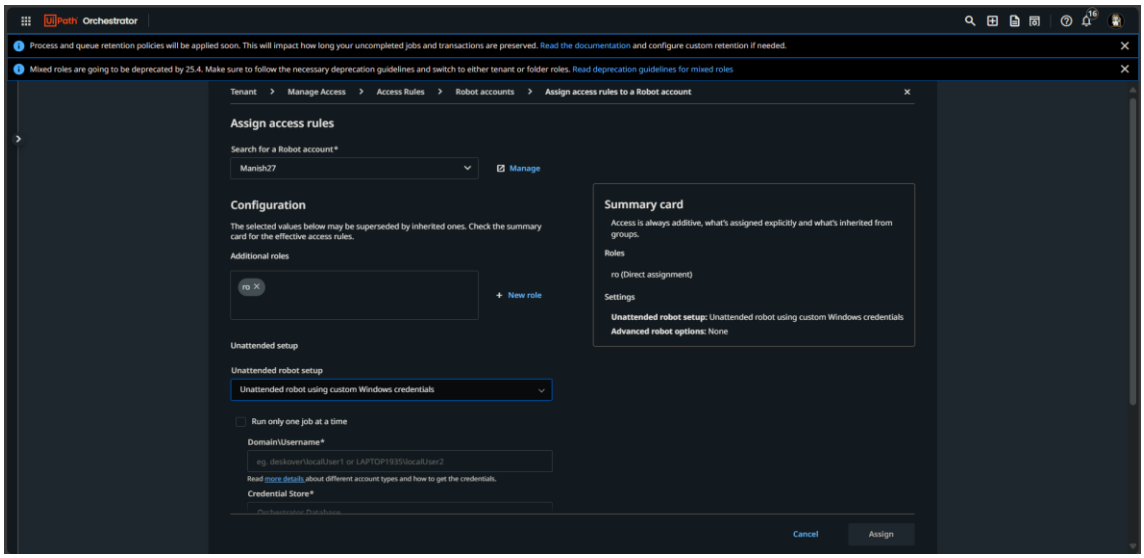
- Go to Orchestrator.



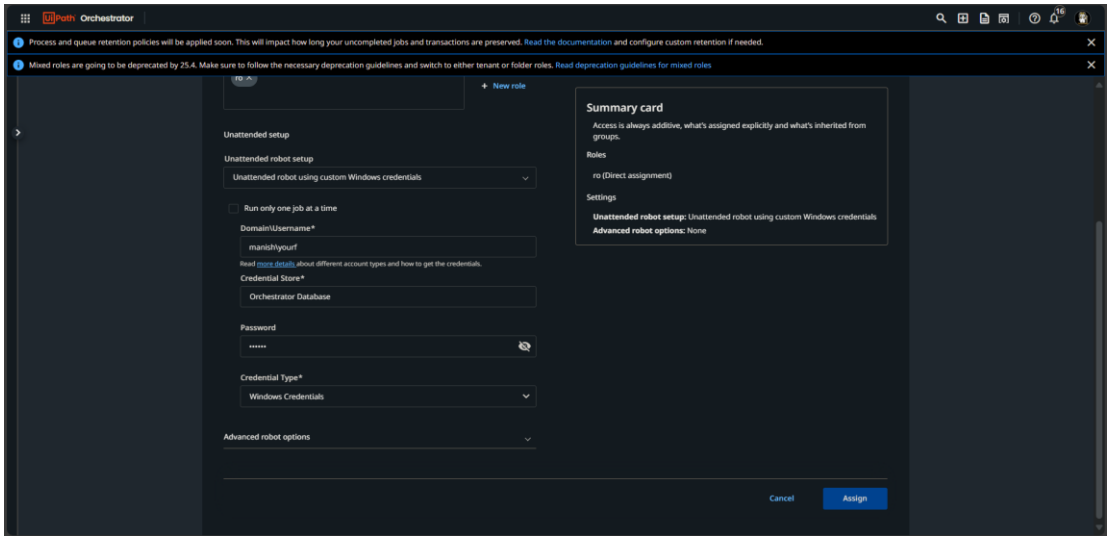
- Click on Tenent → Manage Access → Assign access → Robot account



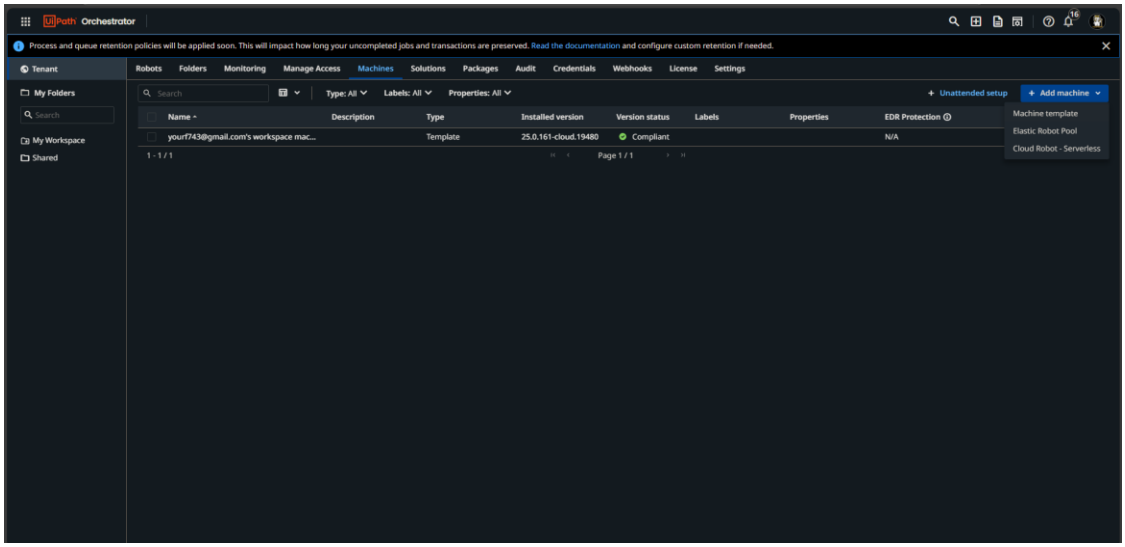
- Search for robot name created → give role as robot → Select Unattended setup = Windows



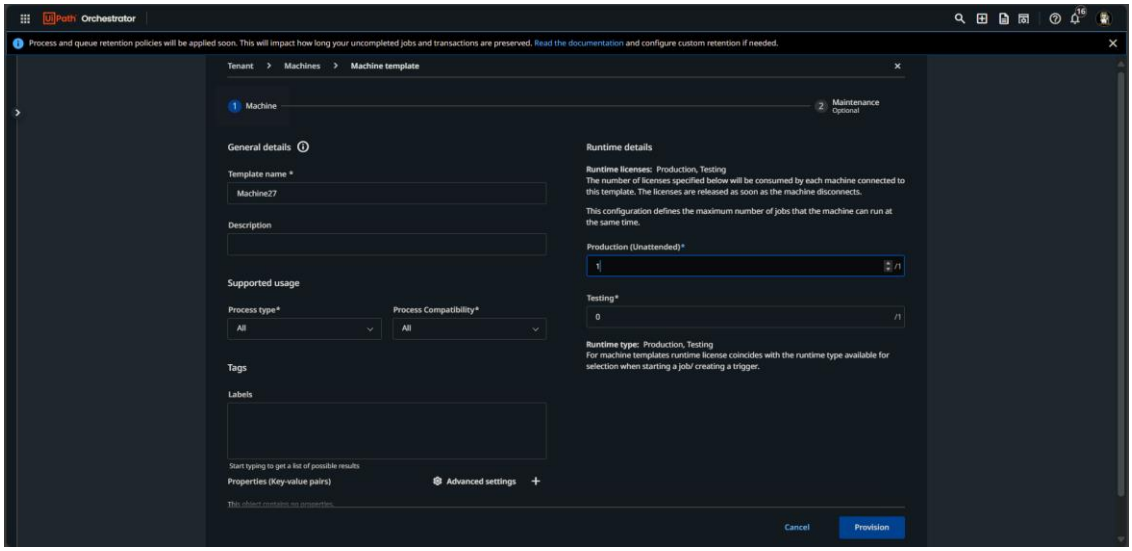
- Fill Details and Click on Assign.



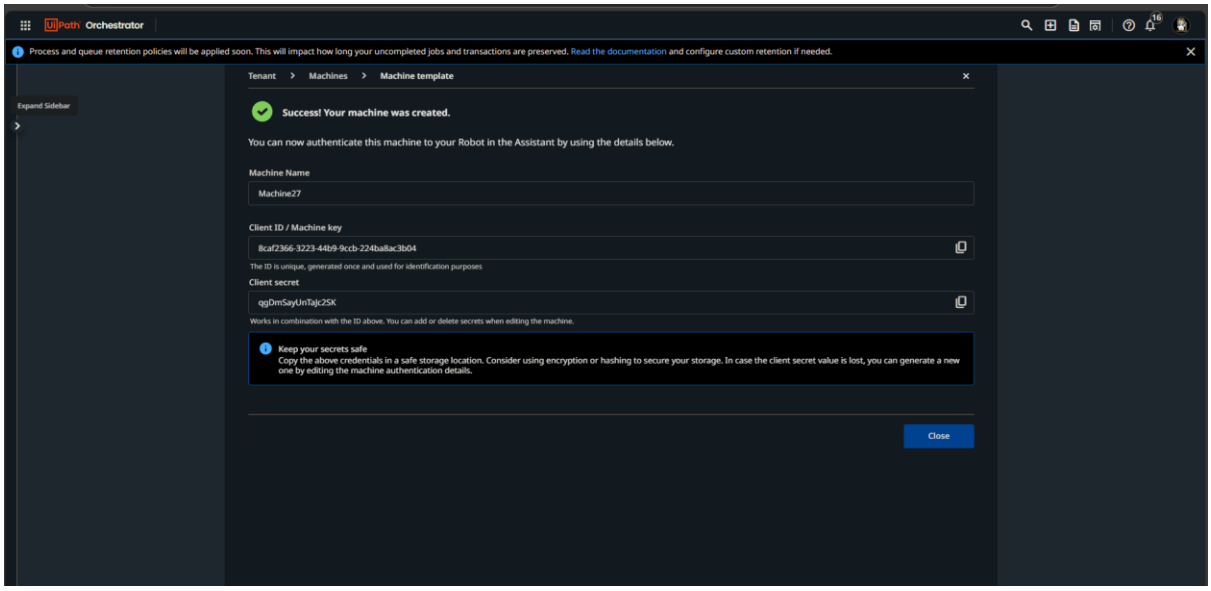
- Click on Machine → Add Machine → Machine template.

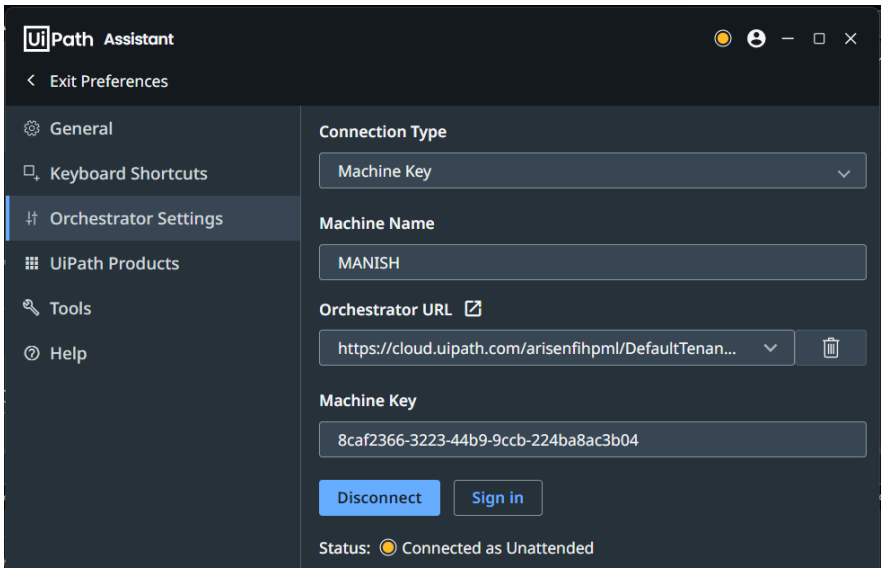


- Give Name then click on Provision

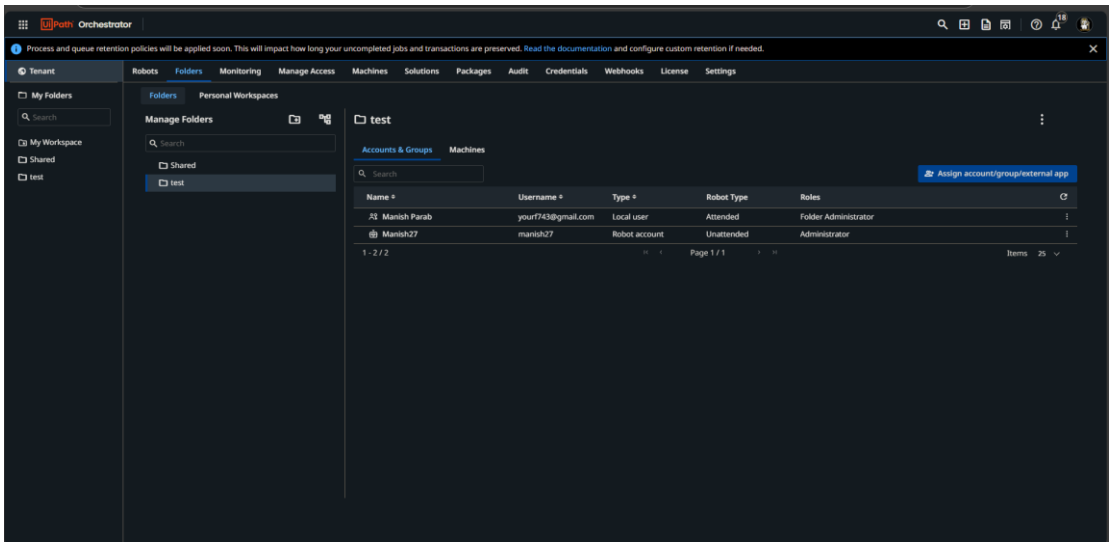


- Use Url And Machine key In UiPath Assistant.

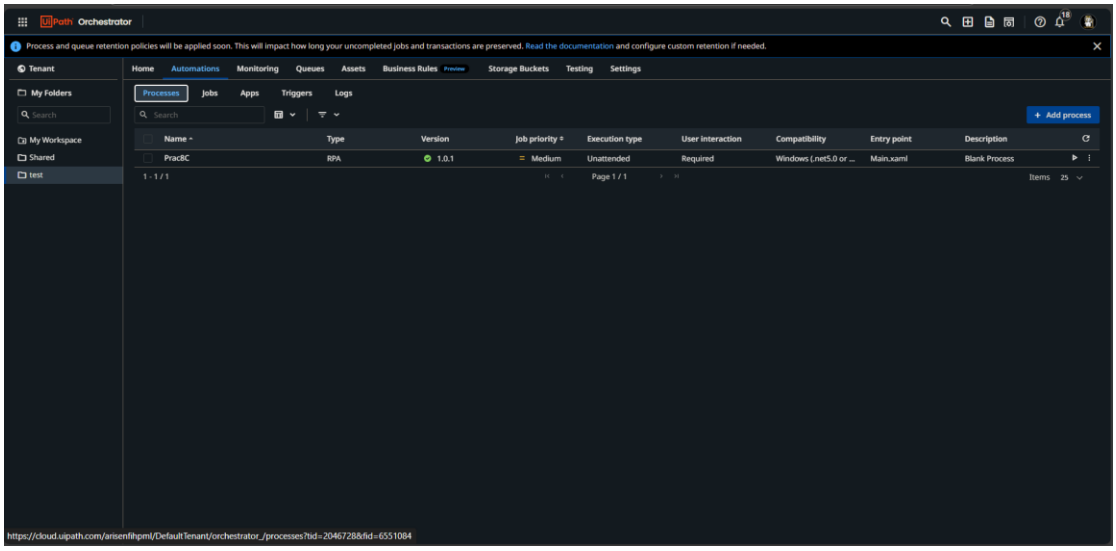




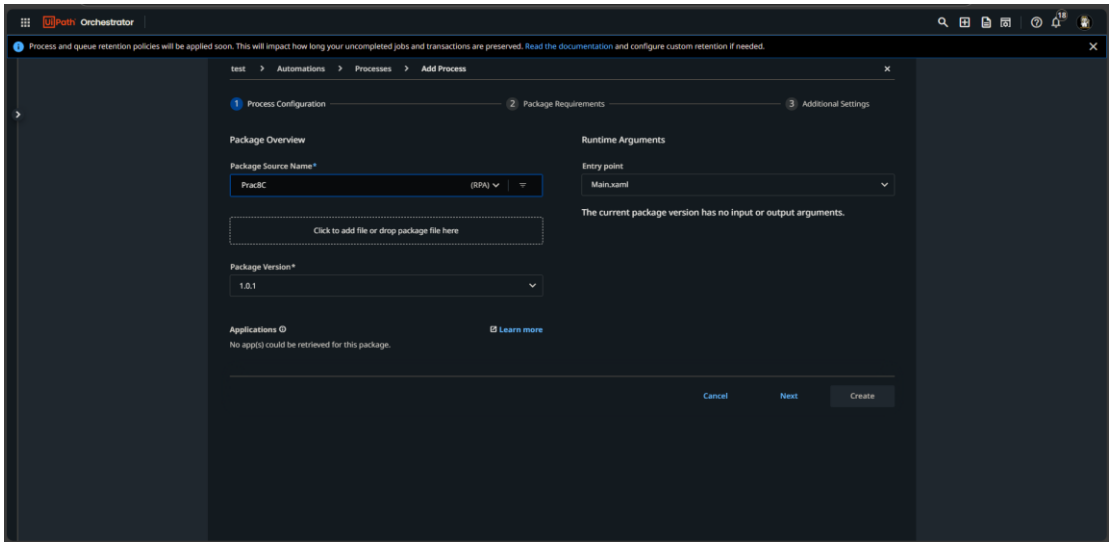
- Tenant →Folders →Assign account/group/external app and add robot.



- Tenant →test→Add Process



- Select Any Xml File Which Is Publised.



- Start The Job.