

## PRACTICAL NO:1 A

**Aim:**Create a simple sequence-based project .

Step 1: Open the uipath studio and select the process.

Step 2: Name the process Practical 1 A and description is sequence created and click on create button.

Step 3: Go to the activity panel and search and select two “input dialog box and one message box”.

Step 4: Create two variables x and y with string data type.

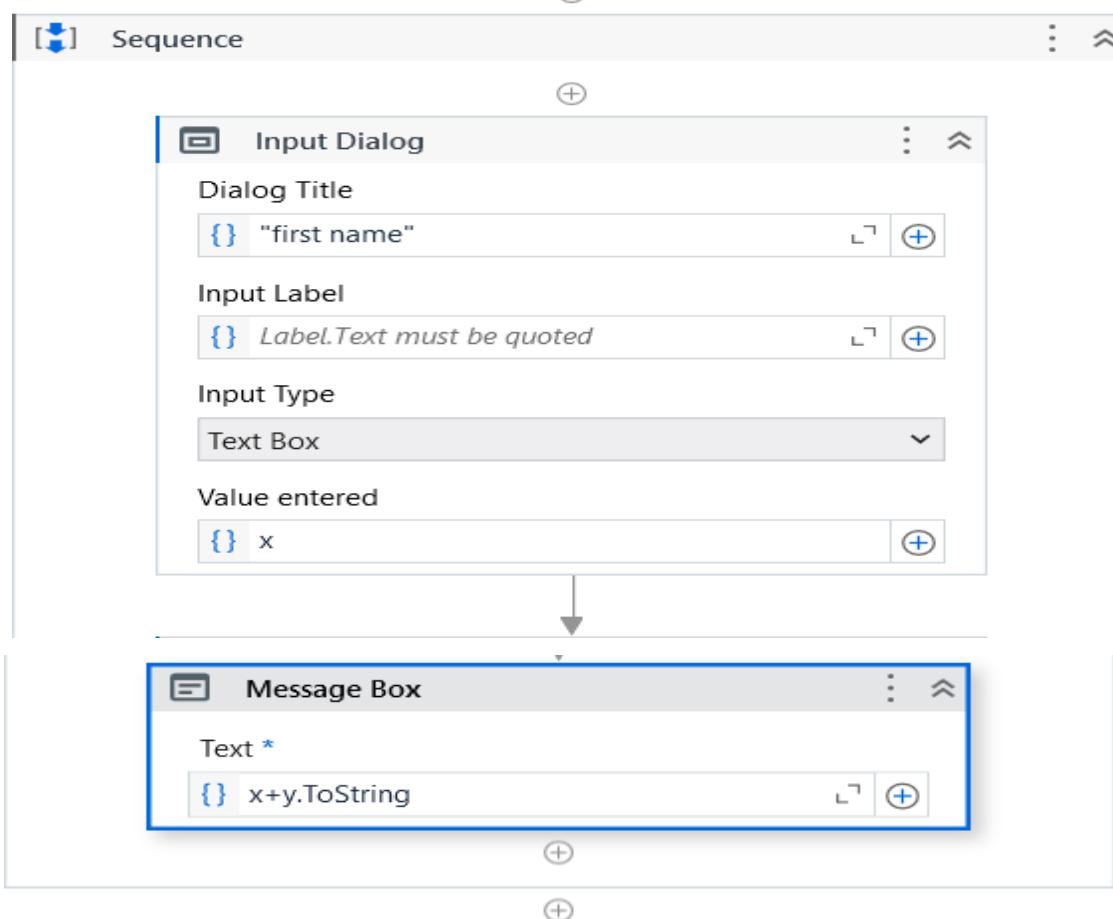
Step 5: Go to first input dialog box and write the dialog title “first name” and in the value entered field use variable ‘x’

Step 6: Go to the second input dialog box and write the dialog title is “last name” and in the value entered field use variable ‘y’.

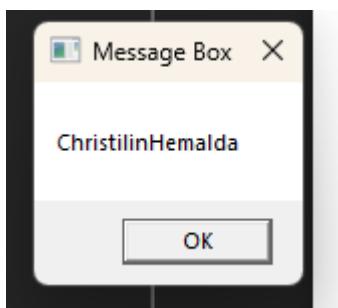
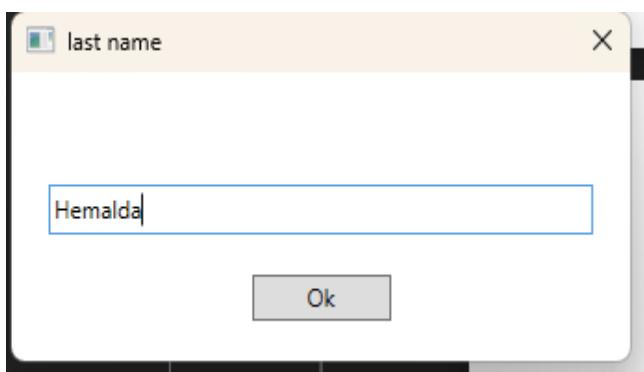
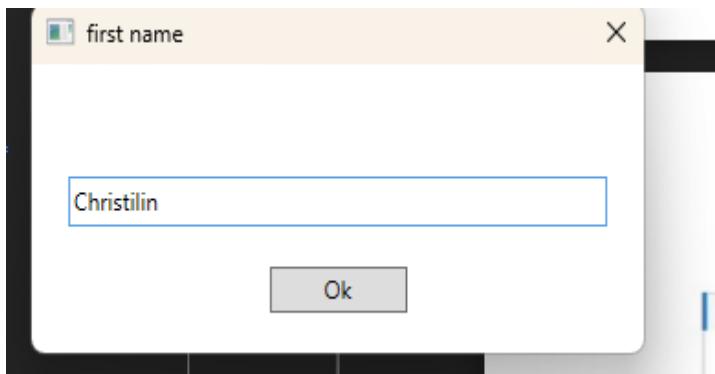
Step 7: Go to the activity panel and drag and drop the message box below the second dialog box .

Step 8: Inside the message box type  $x+y.ToString$  then click on the debug.

Input:



Output:



## Practical No:1 B

### Aim: Create a flowchart-based project.

Step 1: Create a new process with name practical 1 B and description is flowchart project.

Step 2: Search flowchart in the Activity panel and drag and drop the flowchart activity.

Step 3: To expand the flowchart click on the right side arrow.

Step 4: Search Assign activity and drag and drop the Assign activity.

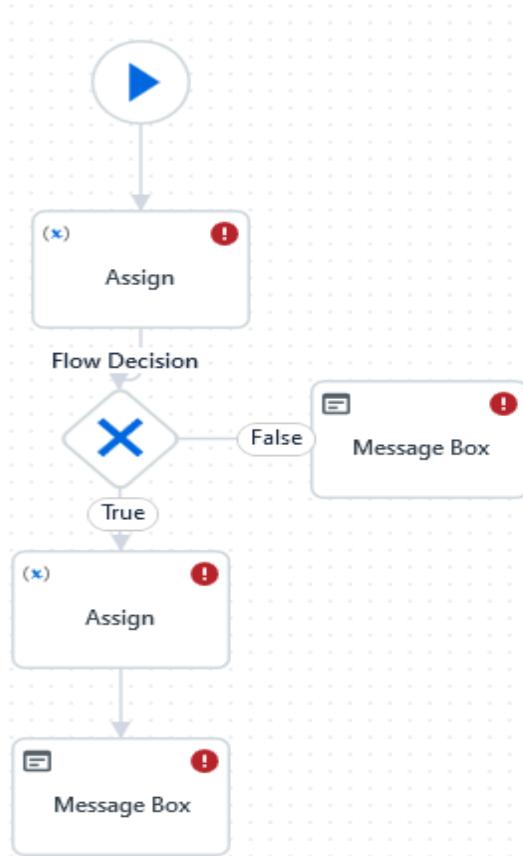
Step 5: Start activity is connected to Assign activity.

Step 6: Search Flow Decision activity and double click on Flow Decision.

Step 7: Connect the Flow Decision activity with assign and search another Assign activity and connect to Flow Decision.

Step 8: search message Box activity and connect to the Flow Decision.

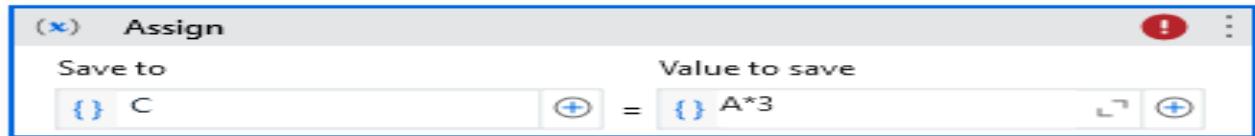
Step 9: search another Message box and connect to the 2nd Assign.



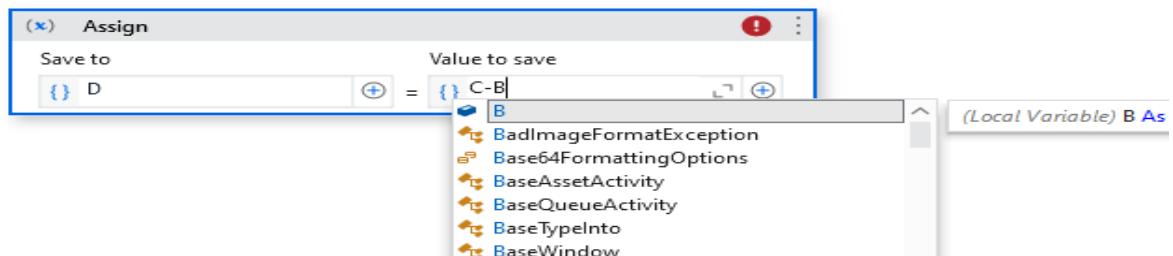
Step 10: creates four variables “A”, “B”, “C”, “D” with int data type and the Default value is A=2 and B=5.

Name	Variable type	Scope	Default
A	Int32	Flowchart	2
B	Int32	Flowchart	5
C	Int32	Flowchart	Enter a VB expression
D	Int32	Flowchart	Enter a VB expression
Create Variable			

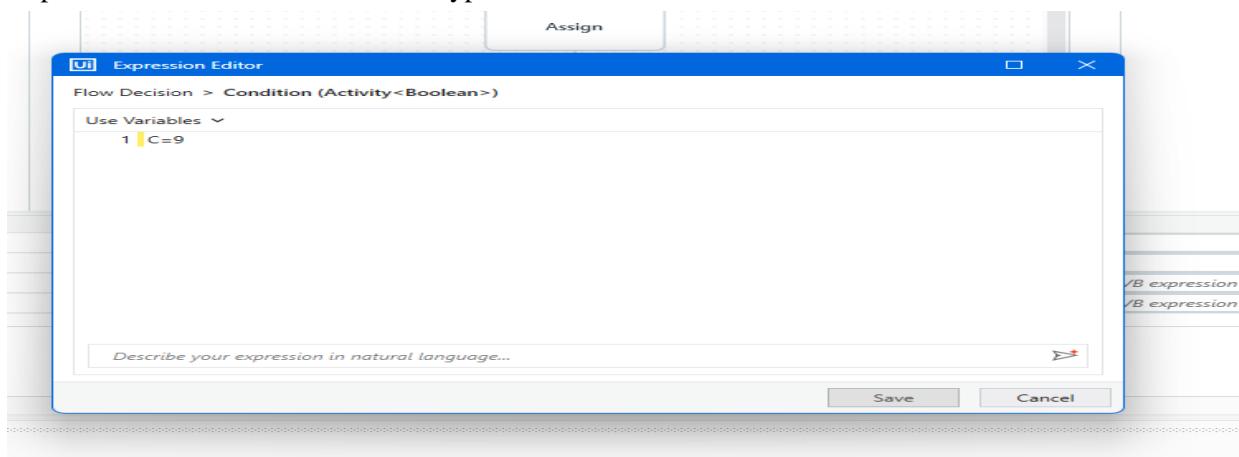
Step 11: Double click on 1st Assign and set the assigned value .



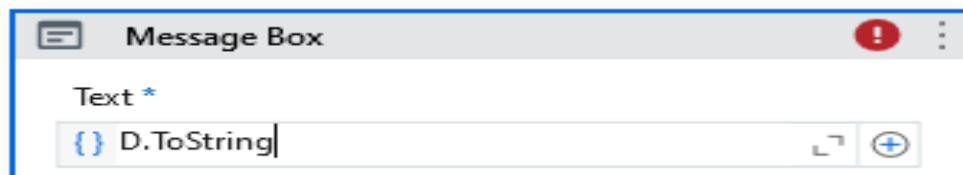
Step 12: Double click on 2nd assign and set assign value.



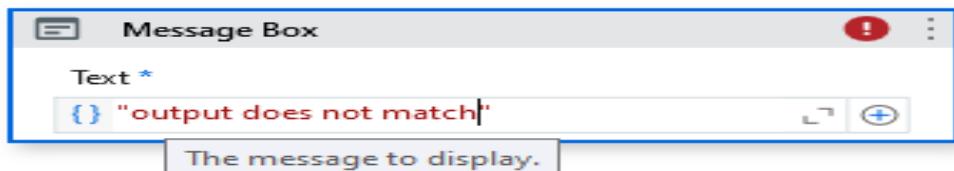
Step 13: click on Flow Decision and Type C=9.



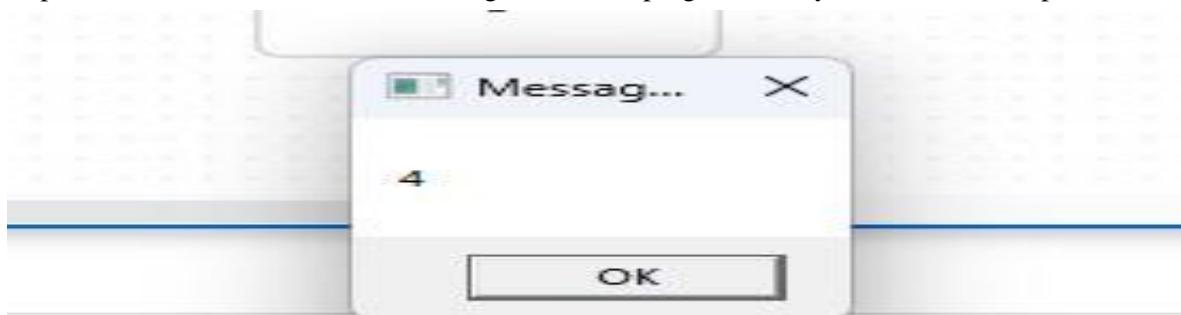
Step 14: Double click on the last message Box, and write D.ToString the answer shown in the string.



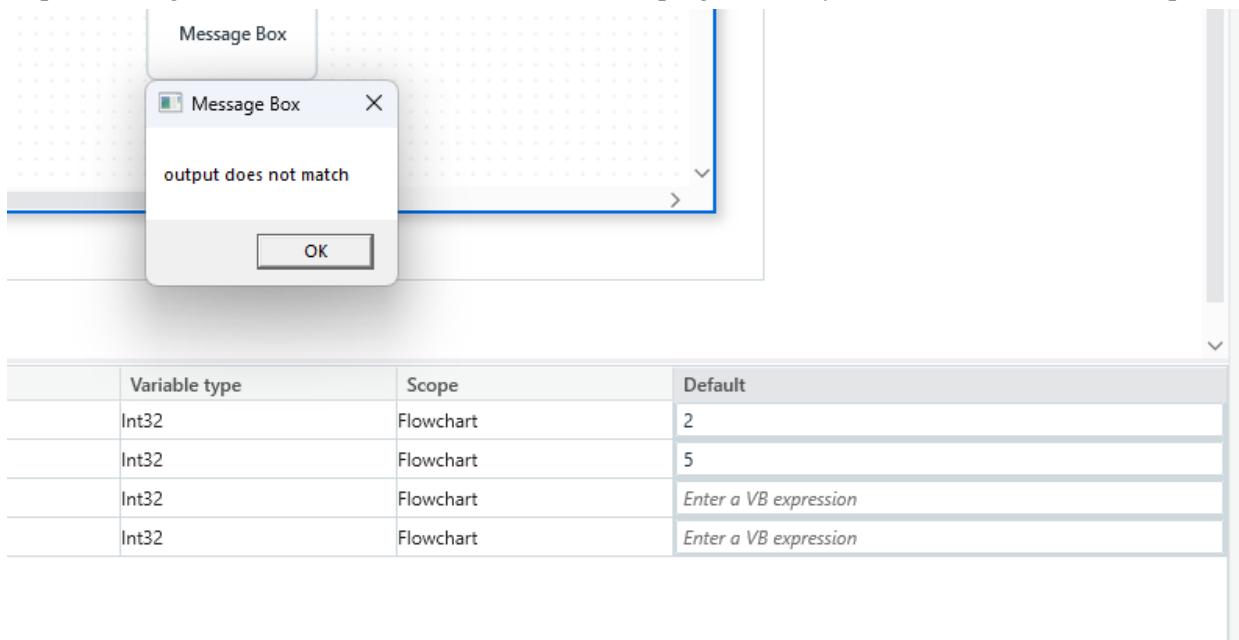
Step 15: Double click on the right side of the message Box and type “output does not match”.



Step 16: After all these click on the Debug and run the program, then you will see the output.



Step 17: Change the value of A=2 and B=5 then run the program then you will show the another output.



## Practical No:1 C

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

Step 1: Open the uipath studio and select the process.

Step 2: Name the process Practical 1 C and description is calculation and click on create button.

Step 3: Drag and drop the two input dialog boxes and connect to each other.

Step 4: In the Dialog Title of first input dialog write “enter first number”.

Step 5: In the Dialog Title of the second input dialog write “enter second number”.

Step 6: Create two variable names: firstnum and secondnum with int data types.

Step 7: In the first input dialog in the value entered box give variable name is firstnum.

Step 8: In the second input dialog in the value entered box give variable name is secondnum.

Step 9: Drag and drop four message box below the second input dialog and connect one under another.

Step 10: In first message box type

**"Addition of number"+""+(firstnum+secondnum).ToString**

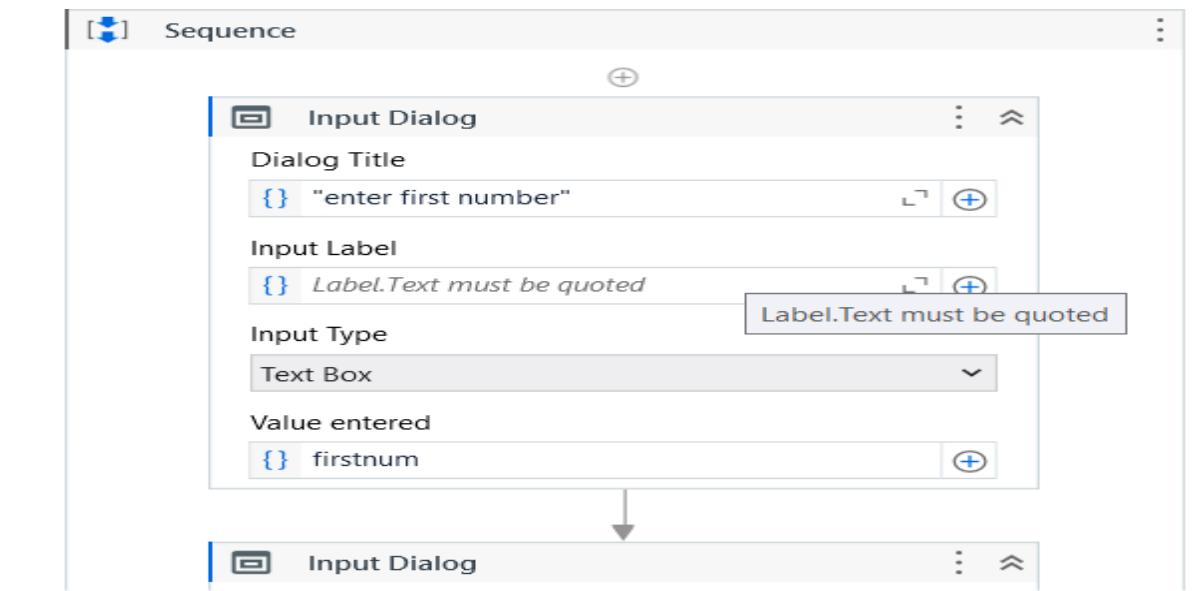
Step 11: In all remaining message box type the formula is :

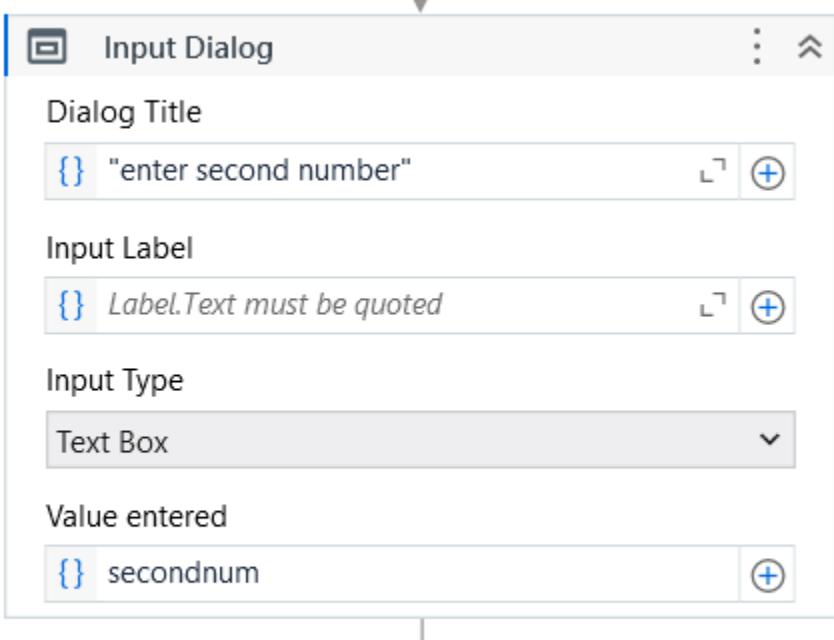
**"multiplication"+""+(firstnum\*secondnum).ToString**

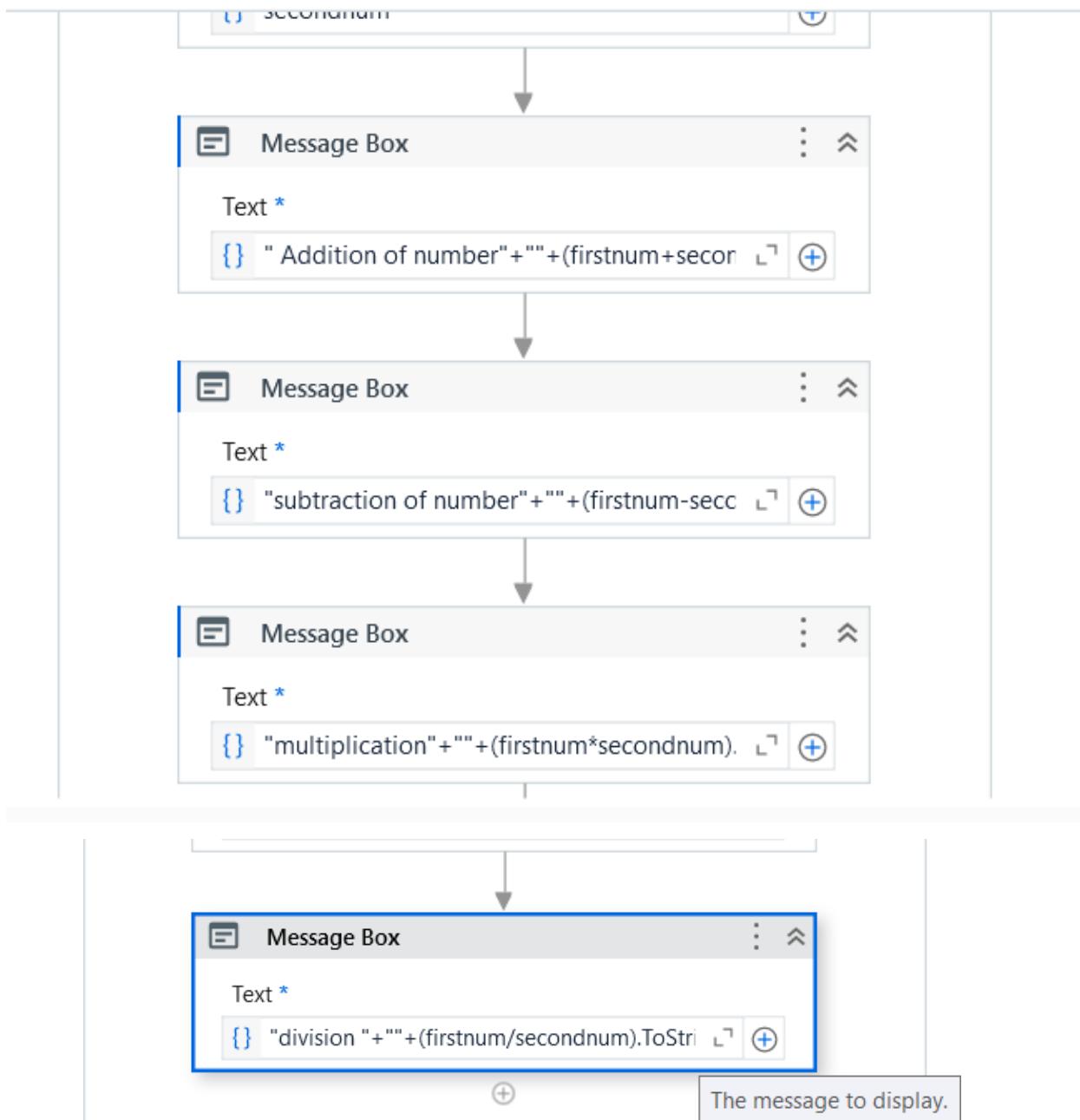
**"multiplication"+""+(firstnum\*secondnum).ToString**

**"division "+""+(firstnum/secondnum).ToString**

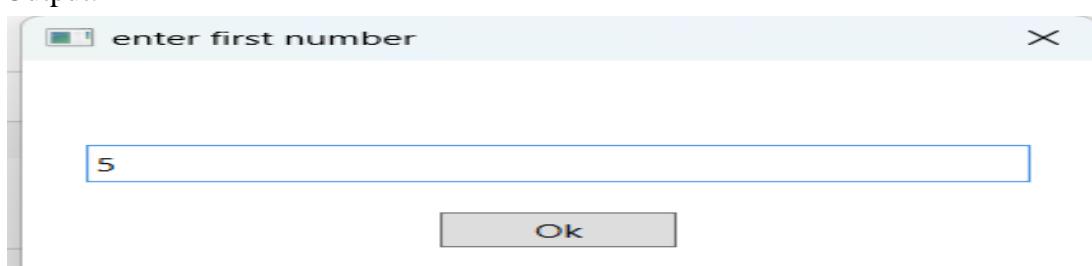
Step 12: Click on the debug the you will see the output of Addition, subtraction, division, multiplication.

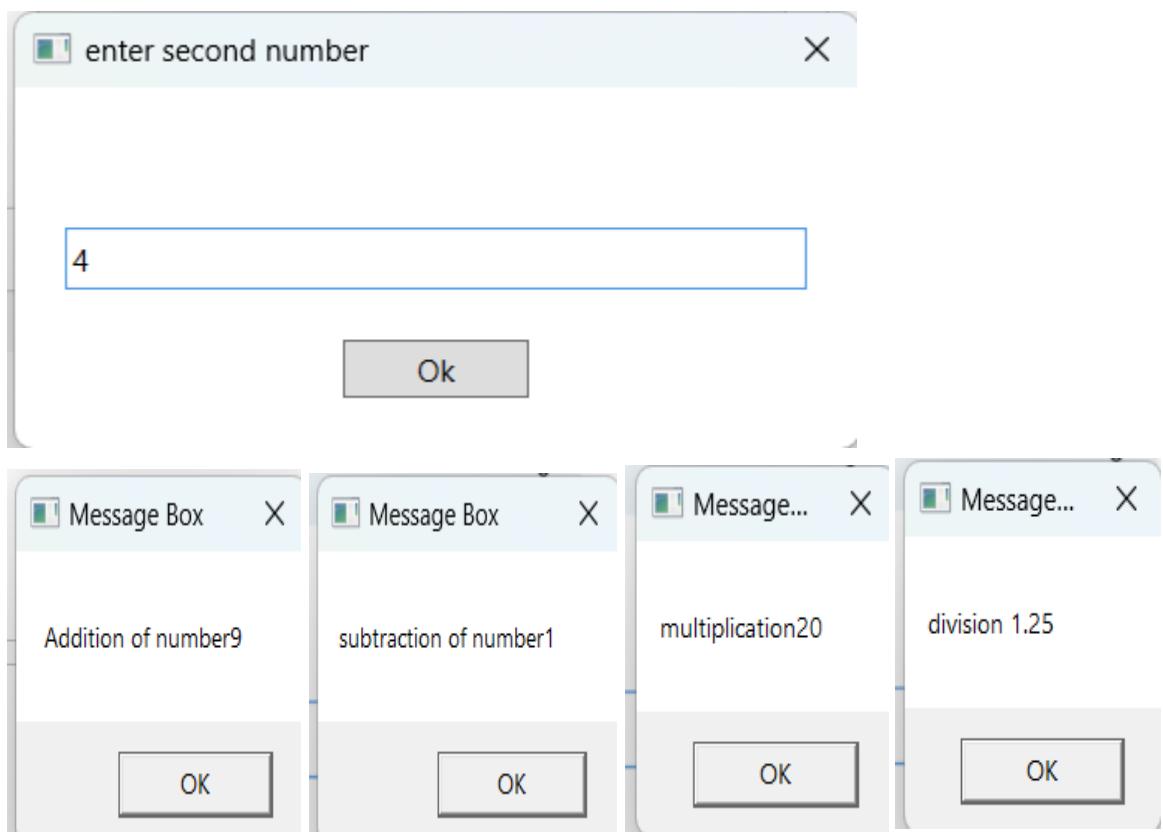






Output:





## Practical No:1 D

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

Step 1: Create a process name is practical 1 D and give the description is calculation  
Creating all types of variables.

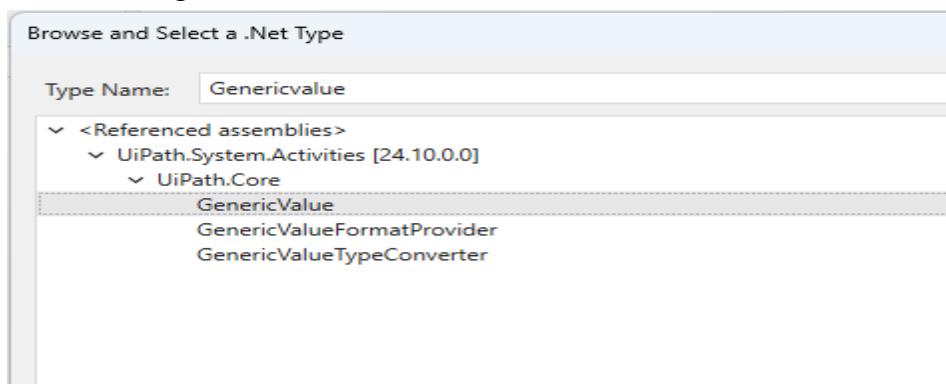
Step 2: Create variable name vint with int32 data type and the default value is 65.

Step 3: Create variable name vBoolean with Boolean data type and default value is True.

Step 4: Create variable name varray with data type click on Array of [T]

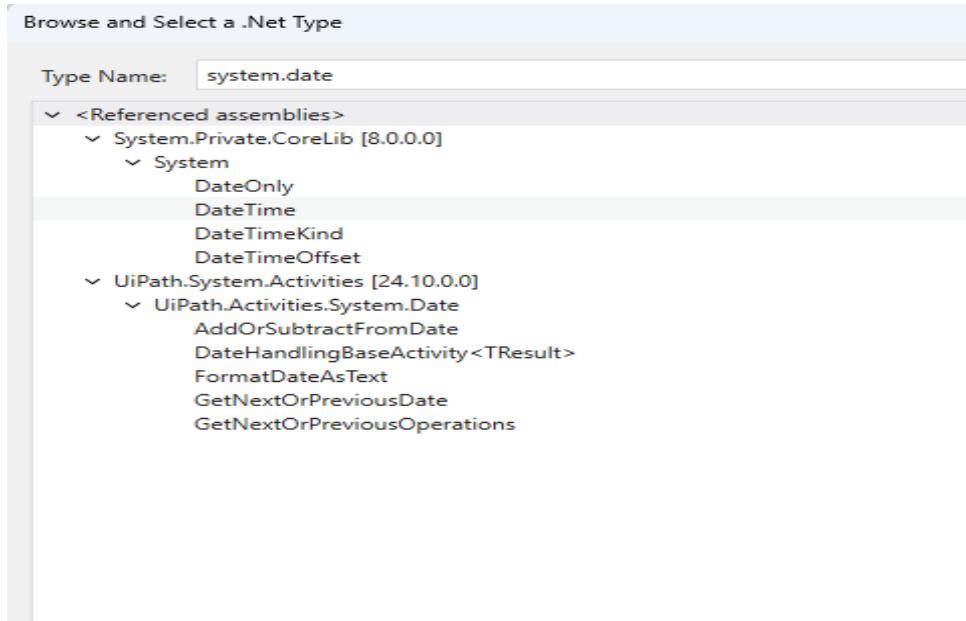
-> string and default value is {"A","B","C"}

Step 5: Create variable name vgenericvariable and datatype is browse in variable type is  
“UiPath.core.genericvalue”



Step 6: For date time variable search date time in browser

The format of date time is month/date/year 11:00:00



Name	Variable type	Scope	Default
vInt	Int32	Sequence	65
vBoolean	Boolean	Sequence	True
vArray	String[]	Sequence	{"a", "b", "c", "d"}
vgenericvariable	GenericValue	Sequence	"Hi this is Aman"

Step 7: Search in activity, build data table and drag and drop inside the sequence, Expand the Data Table and delete the columns.

Step 8: Create a variable name vdata with string data types.

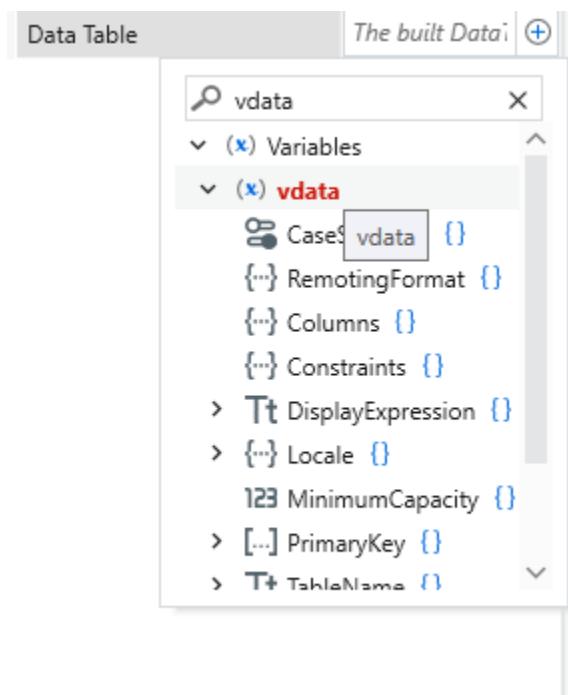


Step 9: Click on the + icon and type column name value and add the value is sachin,anas,rahul,latasha then click on ok.

**Build Data Table**

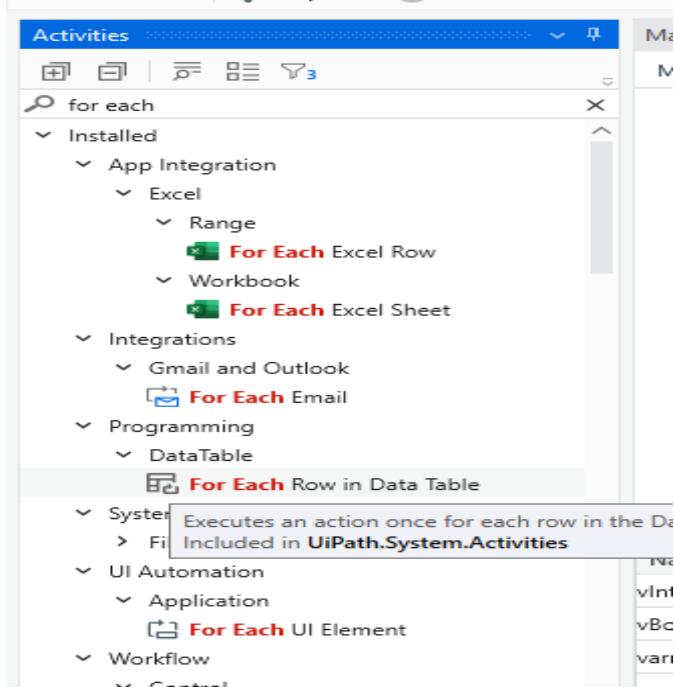
	Value (String)	X
+		-pencil
X	AmanShaikh	
X	Rahul	
X	Anas	
X	Abdul	
X		

Step 10: Search created all variable name then click on ok

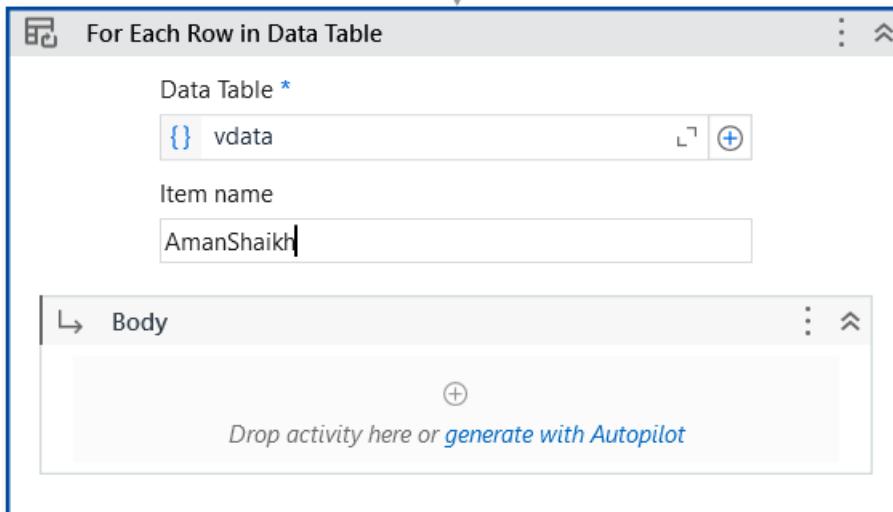


Step 11: Search in activities for each row in data table

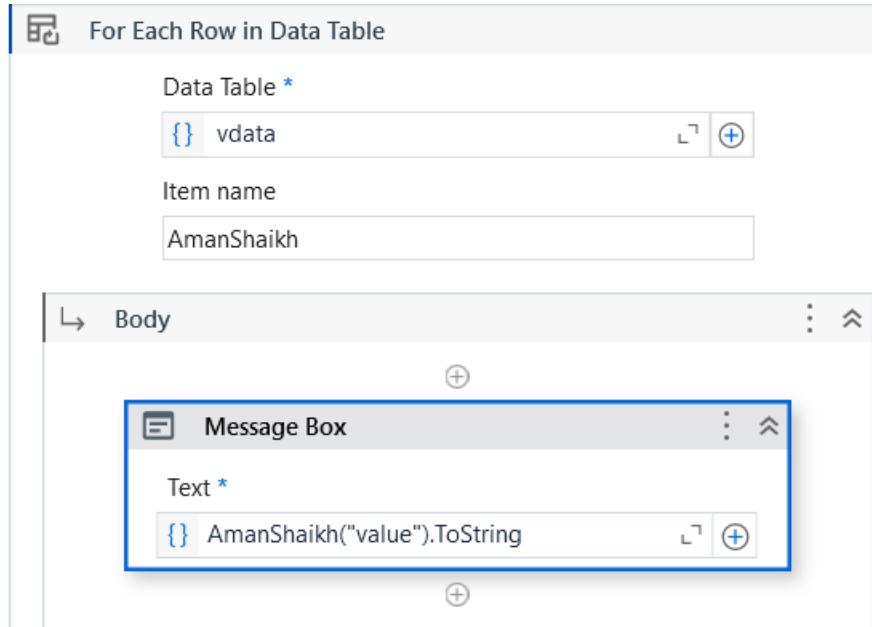
- programing under this
- data table then
- For each row in data table



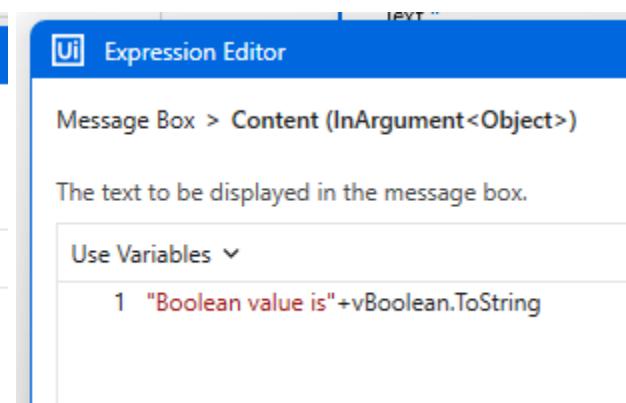
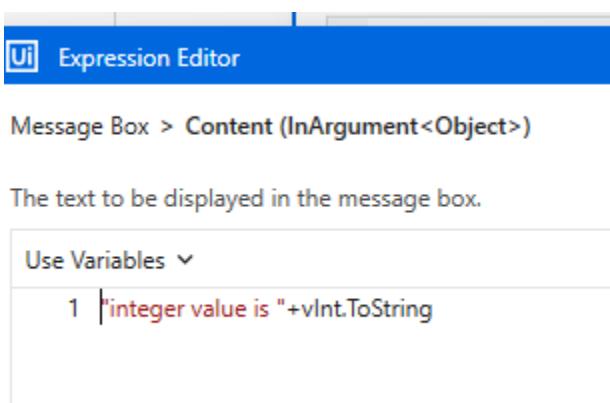
Step 12: In the each row in data table type variable name and item name sachin

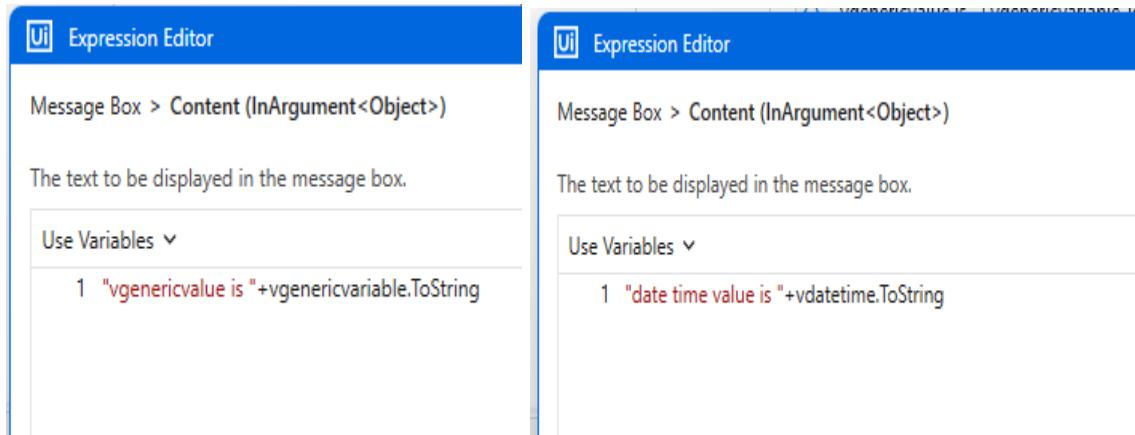


Step 13: Under the body drag and drop message box activity and type

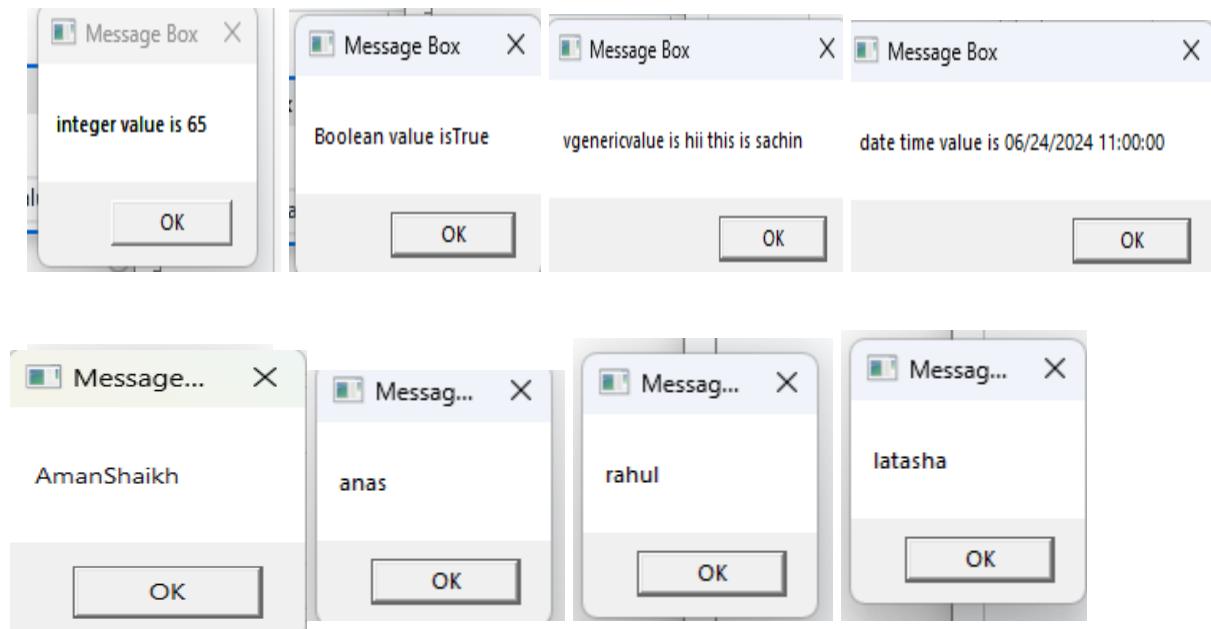


Step 14: After click on for each row in data table and click on + and add 4 message box



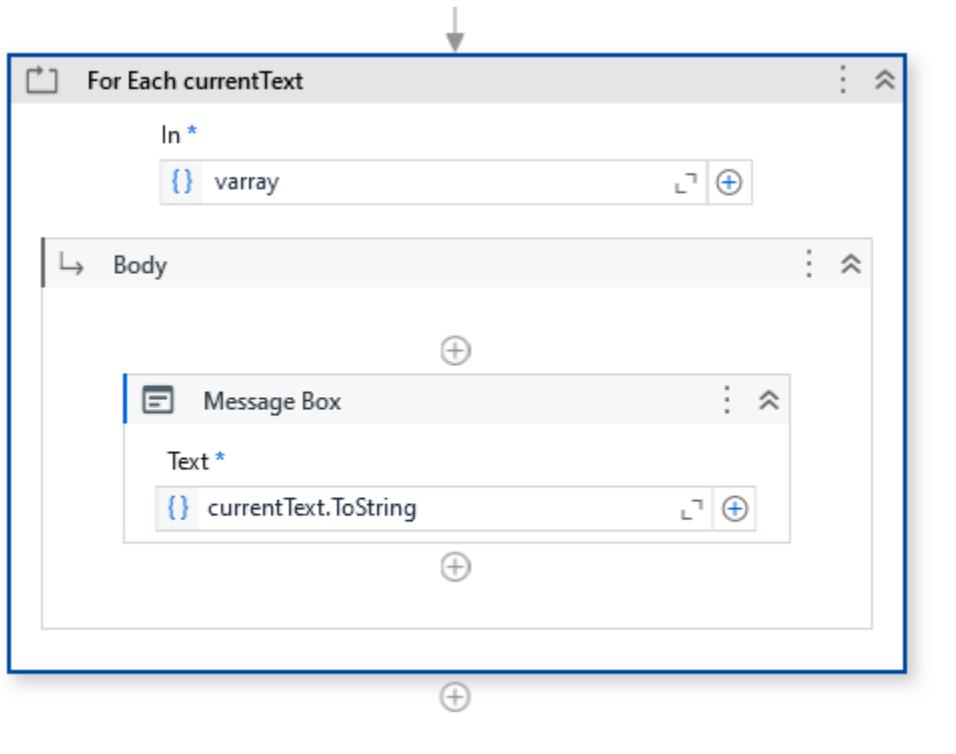


Step 15: Click on debug and you see the output is

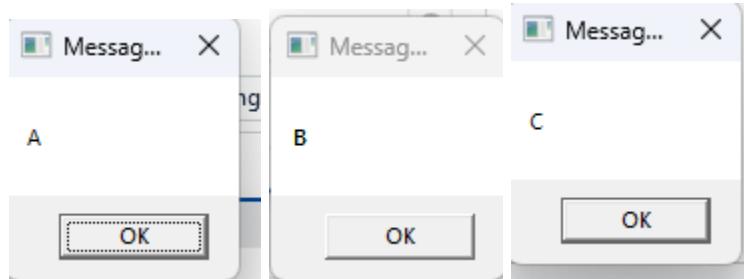


For array

Step 16: Take for each and under this in the “in” choose variable “varray” and under body search message box and type “current.Text.ToString” the click on Debug



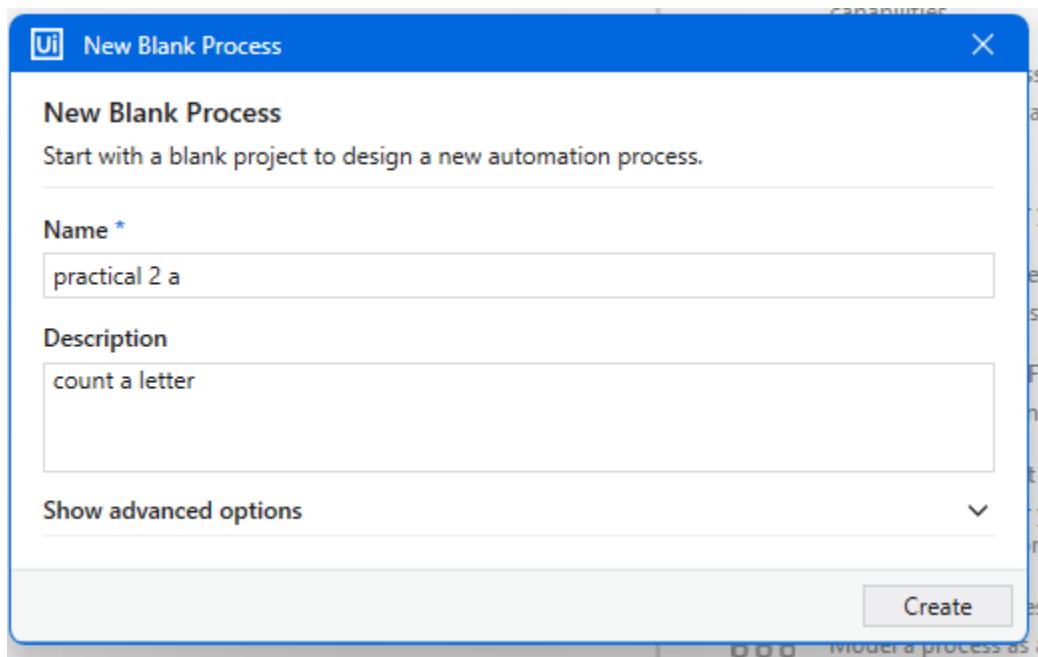
Step 17: This is the final output of array dataset



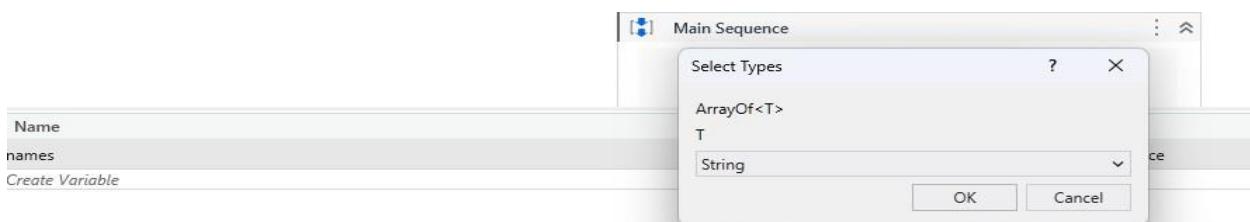
## Practical No: 2 A

**Aim:** 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.

Step 1: create a process name is practical 2 a and Description is count a A letter.



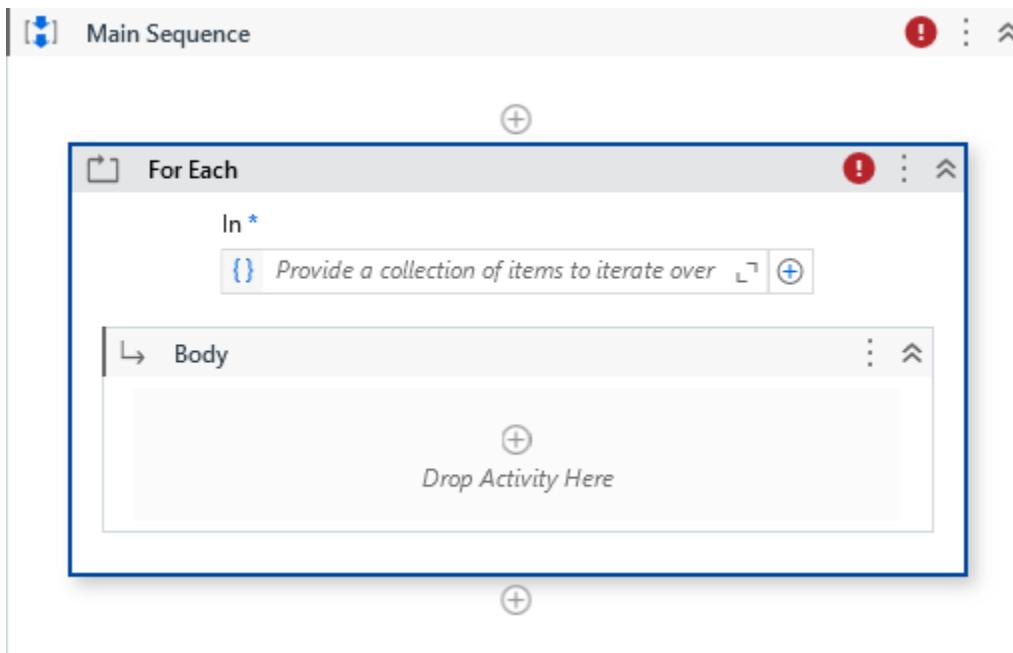
Step 2: create a variable name “names” and select data types is Array of <T> in which string then click on ok.



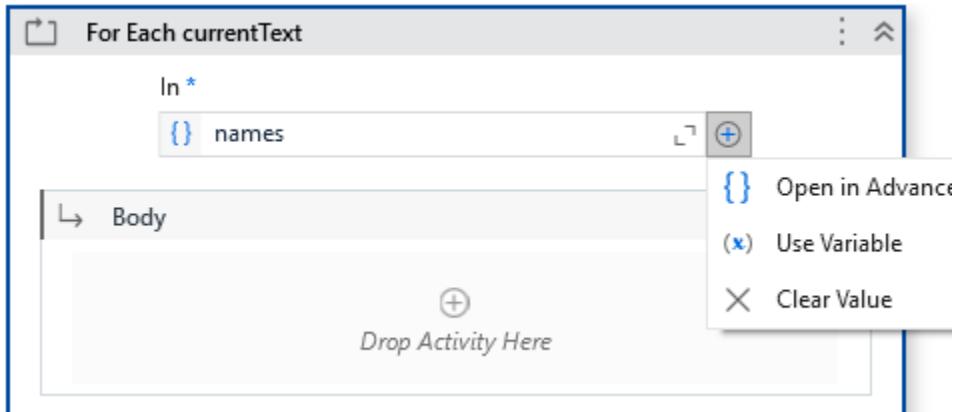
Step 3: Array default value write in curly bracket with double quotes only.



Step 4: In the main sequence click on + icon and search For Each then click on ok.



Step 5: In the “in” select variable “names” then enter.



Step 6: Click on body Drop Activity Here and search Assing

The screenshot shows a search results window with the query 'assign'. The first result is '(x) Assign' from the 'Workflow > Control' category, which is highlighted with a red border. Below it is a list of other activities including 'Multiple Assign', 'Set Value', 'Assign Tasks', 'Assign License', 'Assign Users and Groups to Application Group', 'Remove File Labels', 'Update Issue Assignee', 'Create Assigned Group', 'Create Email Campaign', 'Search Tickets', 'Search Tasks', and 'Set Email Categories'. Each item has a small icon and a brief description.

Step 7: Under Assign write currentText.ToString.Substring(0,1).

The screenshot shows the 'Expression Editor' dialog for the 'Assign' activity. The title bar says 'Ui Expression Editor'. The main area shows the expression '1 currentText.ToString.Substring(0,1)' under the heading 'Assign > Set value (InArgument)'. There is a dropdown menu labeled 'Use Variables' and a text input field with placeholder text 'Describe your expression in natural language...'. At the bottom are 'Save' and 'Cancel' buttons.

Step 8: Click on + icon of Assign and search If then double click on if.

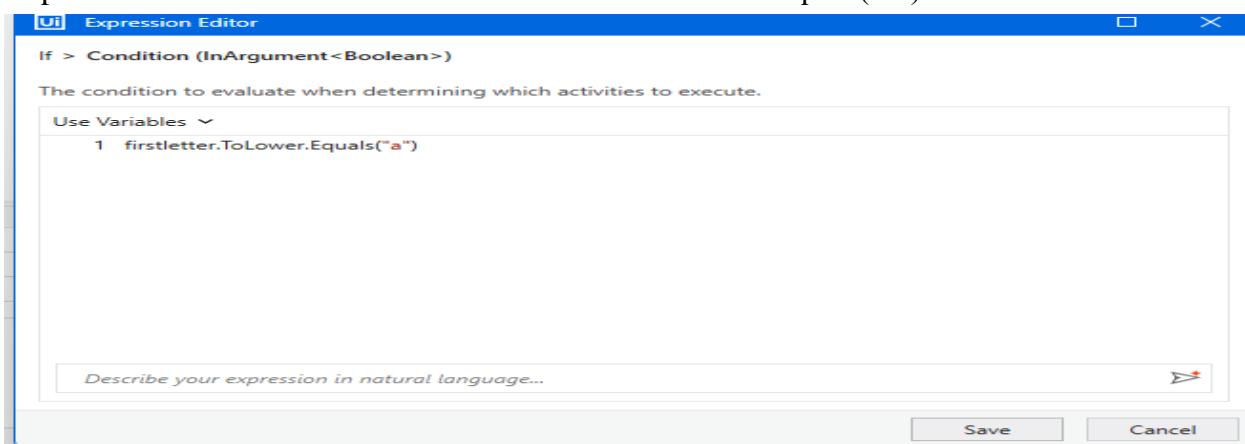
The screenshot shows a search results window with the query 'if'. The first result is 'If' from the 'Workflow' category, which is highlighted with a red border. Below it is a list of other items including 'Verify Control Attribute', 'Verify Expression', 'Verify Expression with Operator', 'Verify Range', 'Modify Date', 'Modify Text', 'Else If', 'Notify Global Variable Changed', 'Close Popup', 'Set Value', 'Upsert Embeddings', 'Group Exists', 'User Exists', and 'User Exists'. Each item has a small icon and a brief description. To the right of the list, there is a vertical scroll bar with numbered buttons for navigating through the results.

Step 9: Create a two variable firstname and counter with data type string and int32.

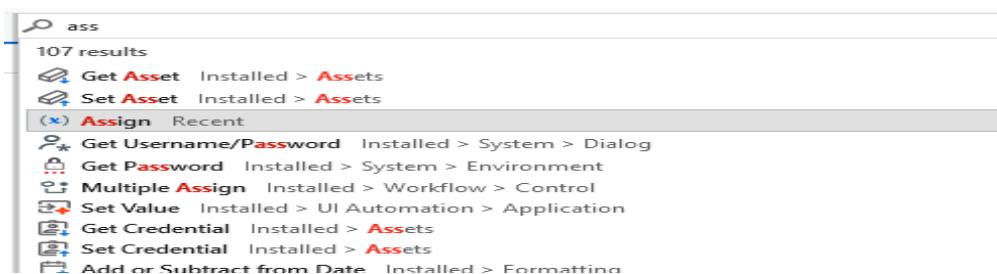
Name	Variable type	Scope	Default
names	String[]	Main Sequence	{"sachin","omkar","rahul","aman","anas","abdul"}
firstletter	String	Main Sequence	Enter a VB expression
counter	Int32	Body	0

Create Variable

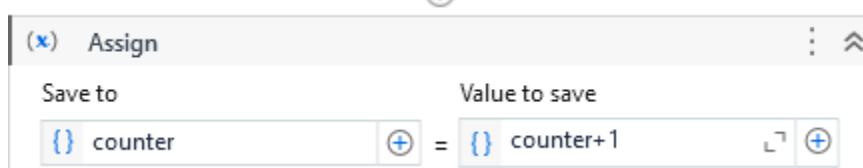
Step 10: Under the if condition write the firstletter.ToLower.Equals("a").



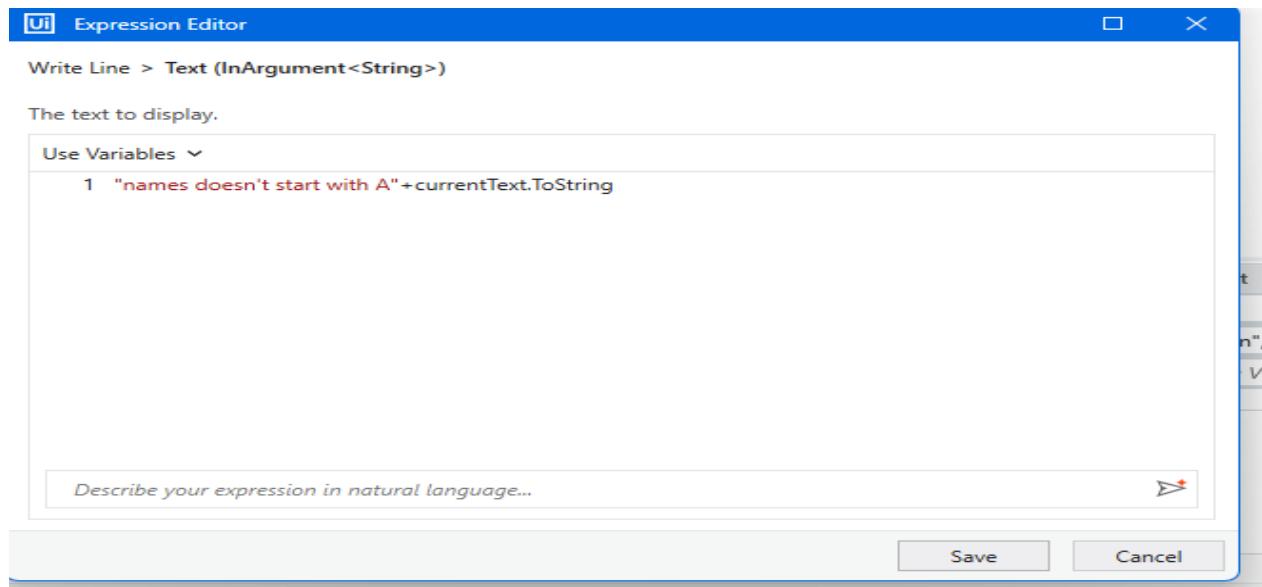
Step 11: Under the Then click on “+” icon and search Assign and click on ok.



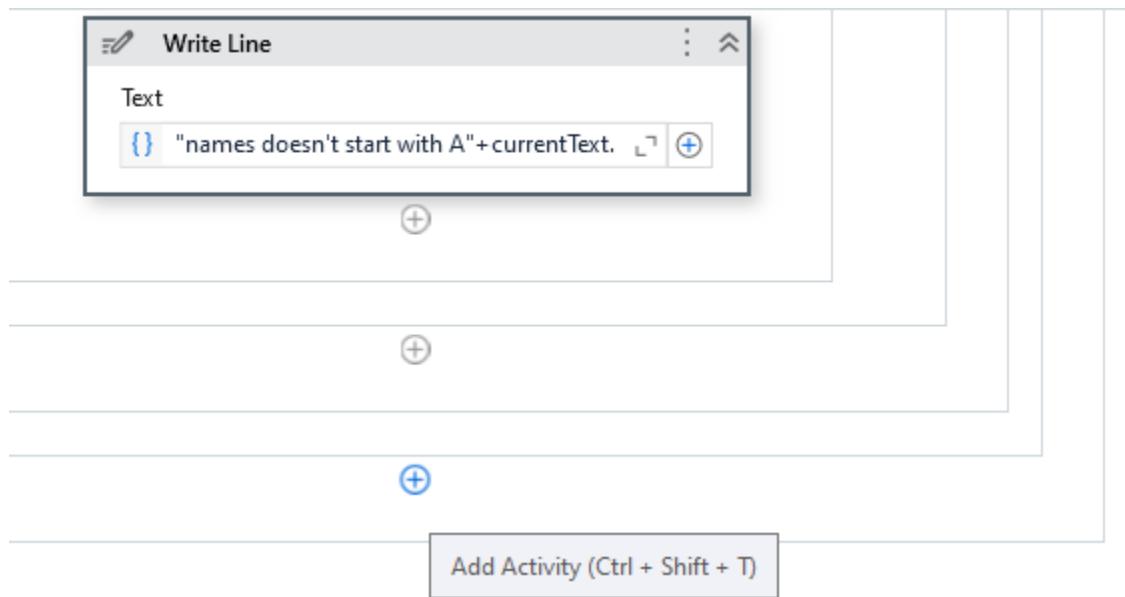
Step 12: Under the Assign write

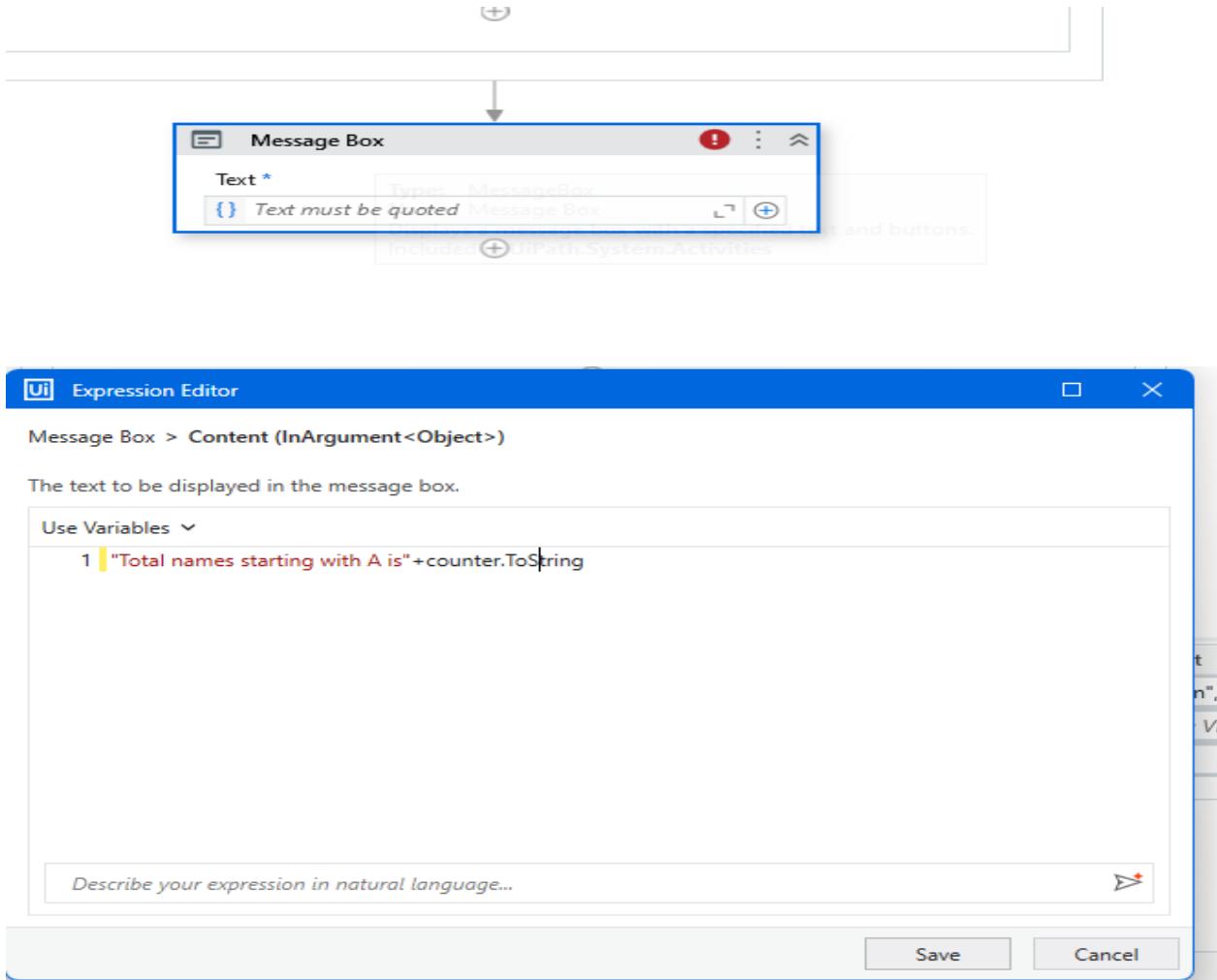


Step 13: Under the else part click on “+” icon and search “write line and click on ok and write under this “names doesn't start with A”+currentText.ToString then click on ok

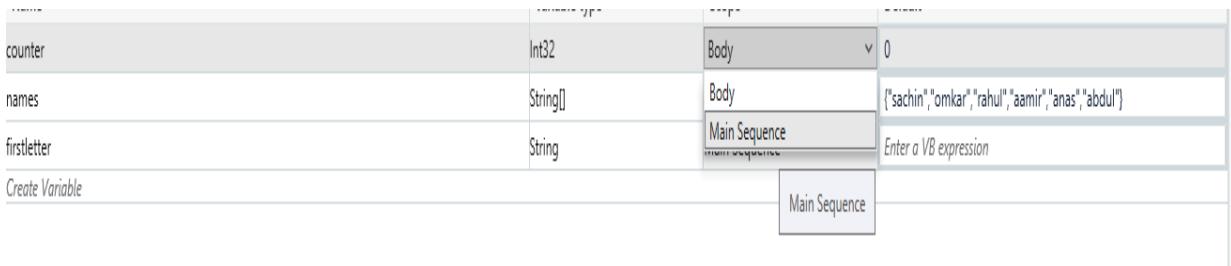


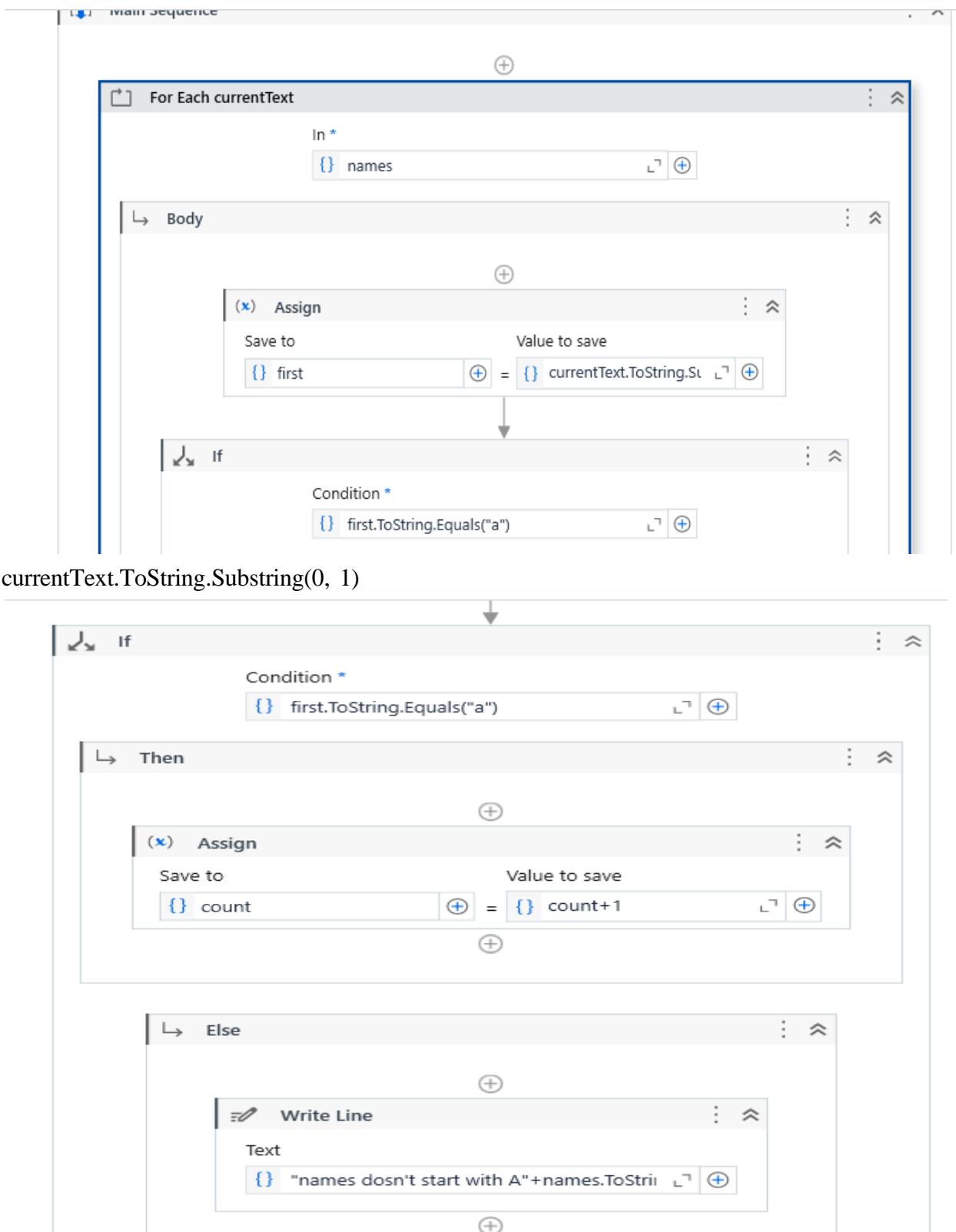
Step 13: Click on last “+” icon and search message box





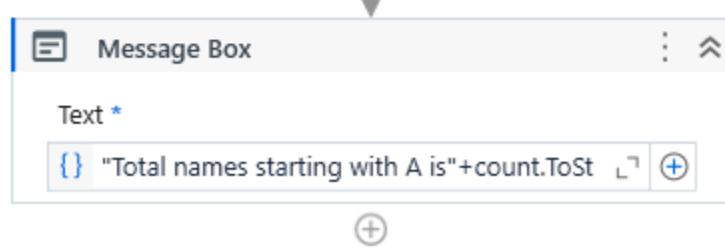
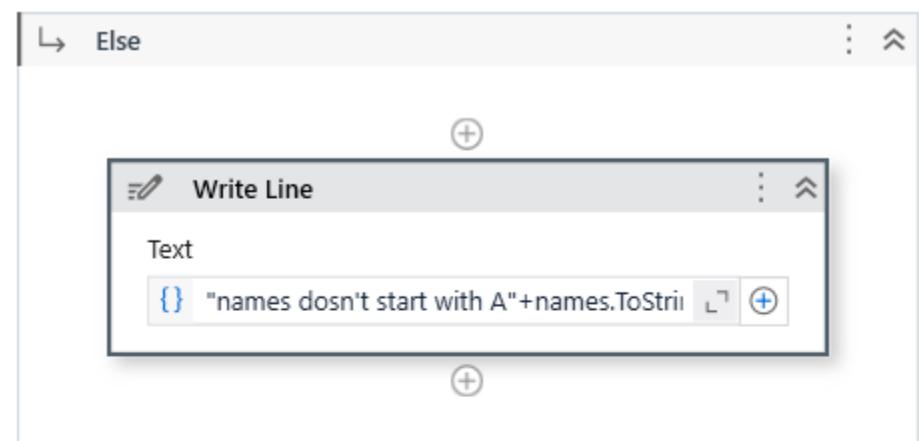
Step 14. Click on the body and change the scope of names body to main sequence





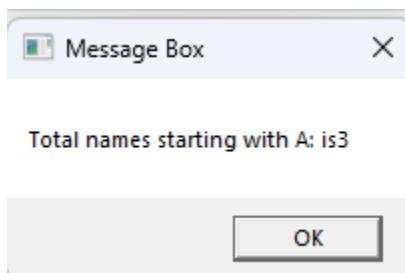
currentText.ToString.Substring(0, 1)

"names doesn't start with A"+names.ToString()



"Total names starting with A is"+count.ToString

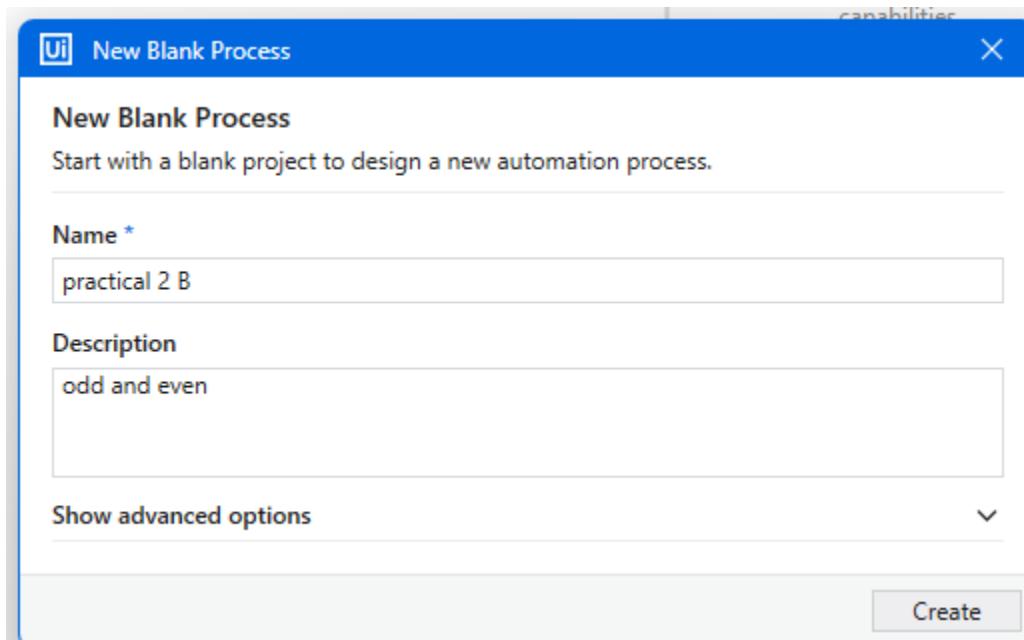
Step 15: Final output:



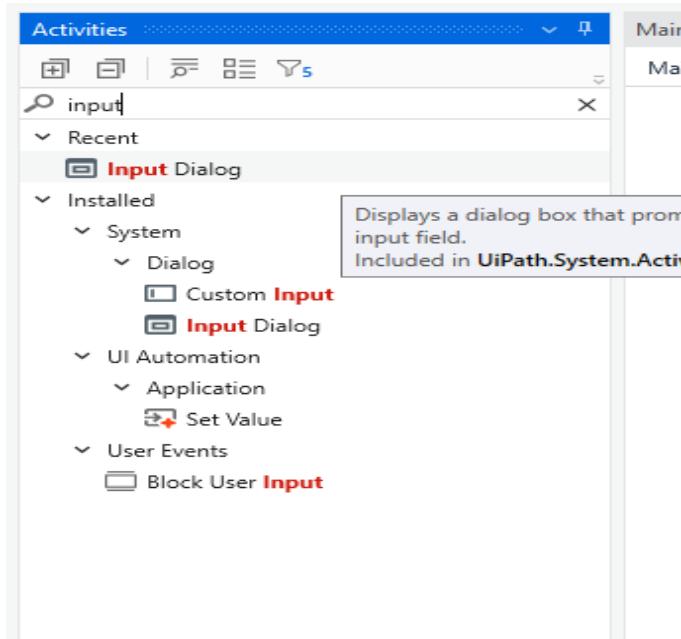
## Practical No: 2 B

**Aim:**Demonstrate switch statement with an example.

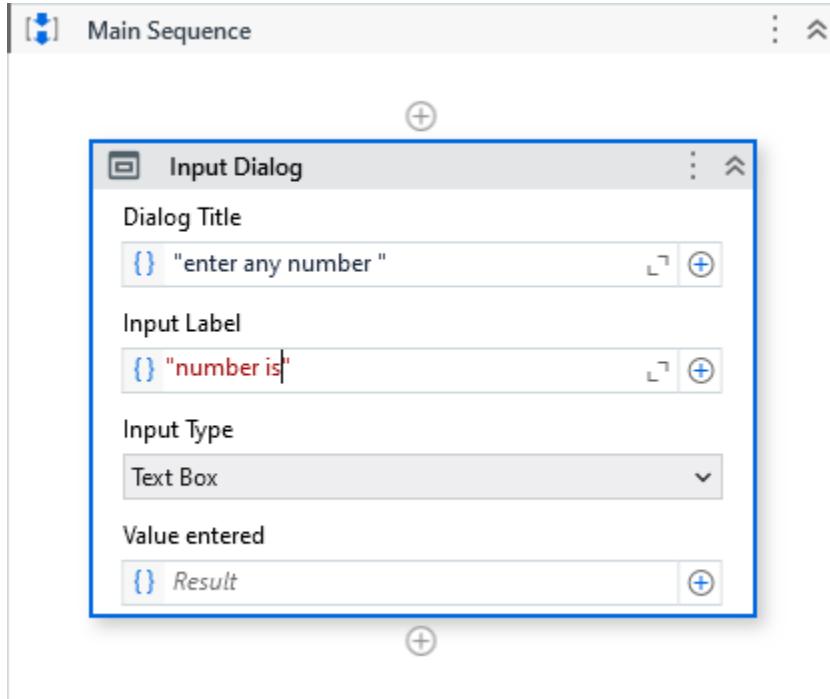
Step 1: Create a new process name is practical 2B and description is odd and even.



Step 2: Search in left “input Dialog box”.



Step 3: Under the dialog box type the....



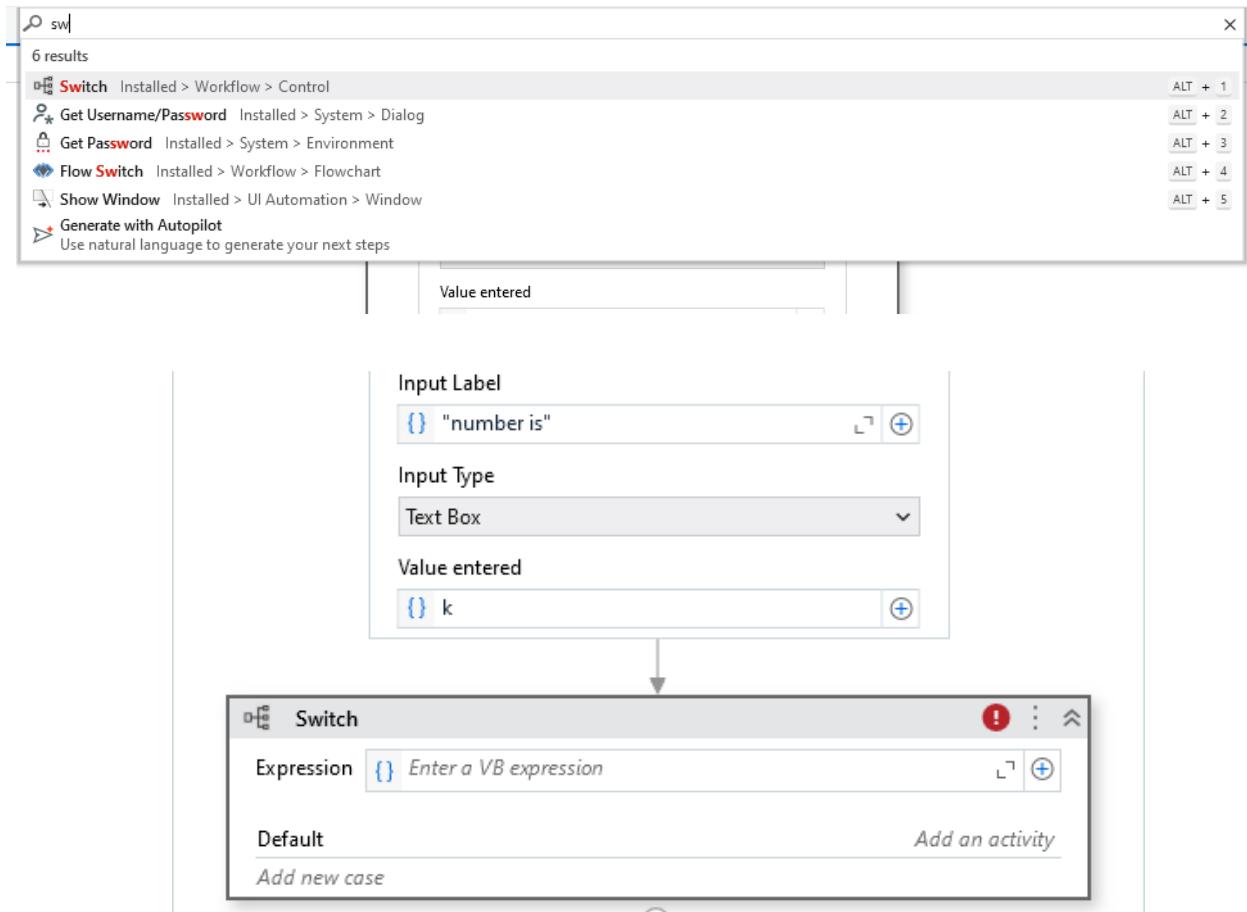
Step 4: Create variable name is "k" and datatype is "int32"



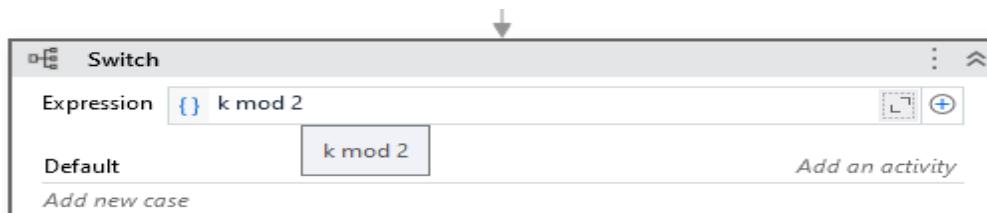
Step 5: In the "input Dialog box " under value entered select variable "k".



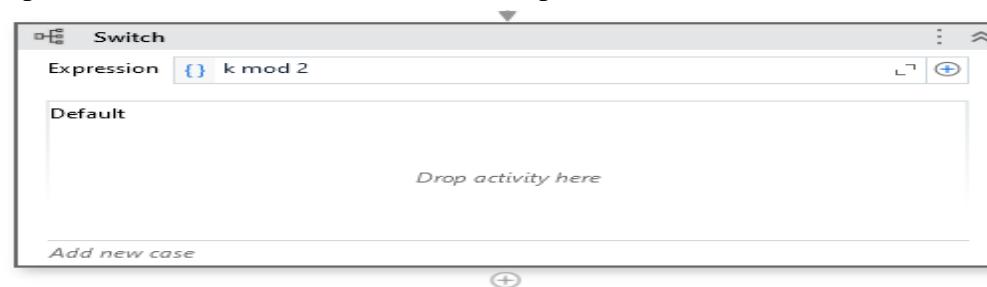
Step 6: Click on “+” icon of input Dialog and search “Switch”and enter.



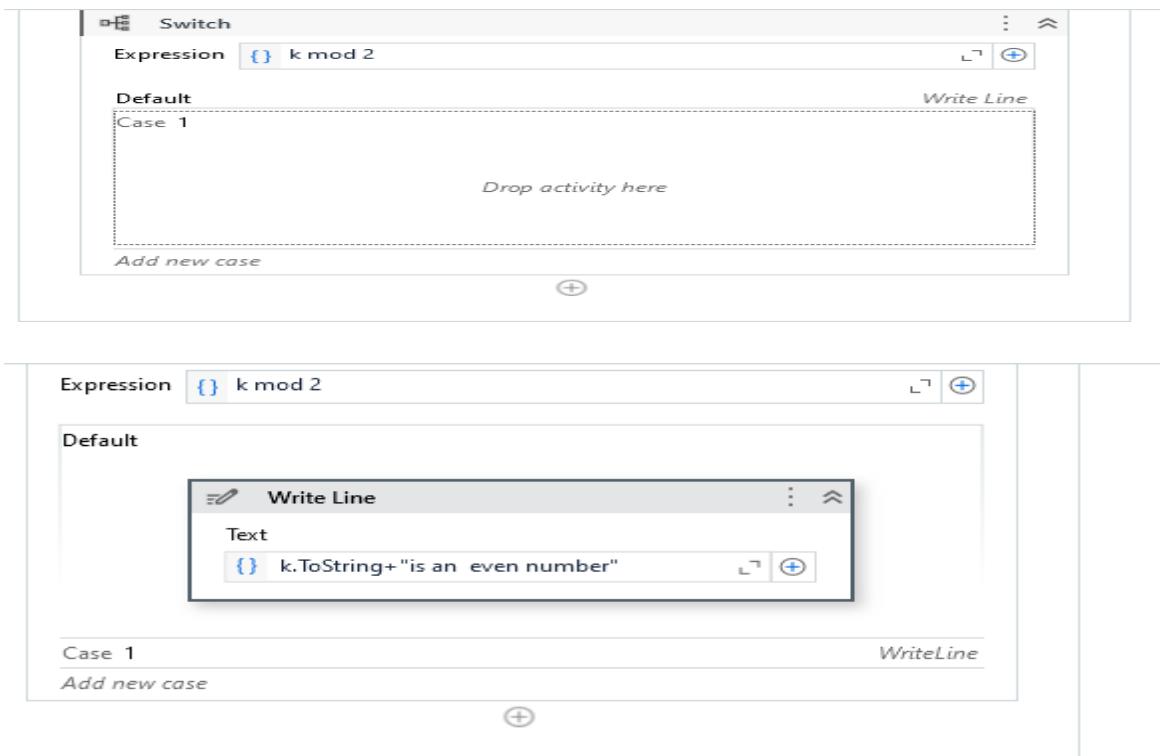
Step.7:under the Switch write “k mod 2



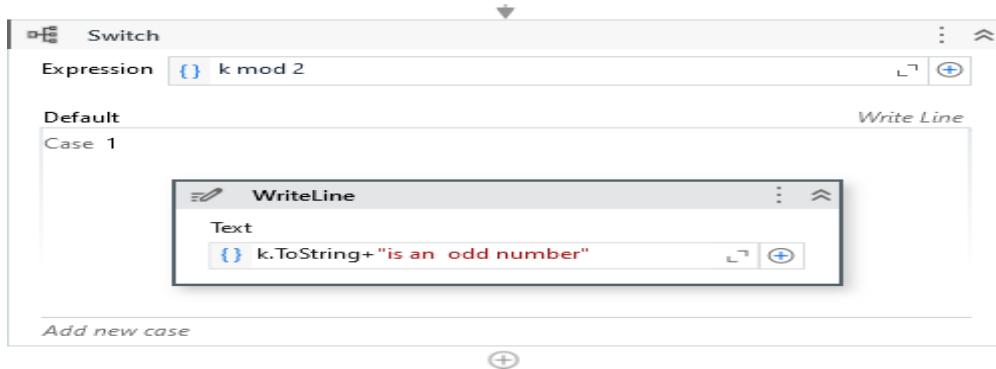
step. 8:Click on default and the box will expand.



Step 9: Search in left side write line and drag under the Default.  
Under the write line write k.ToString+"is an even number



Step 10: Click on case 1 and left side search WriteLine and then write



Step 11: Click on Debug and this is a final output

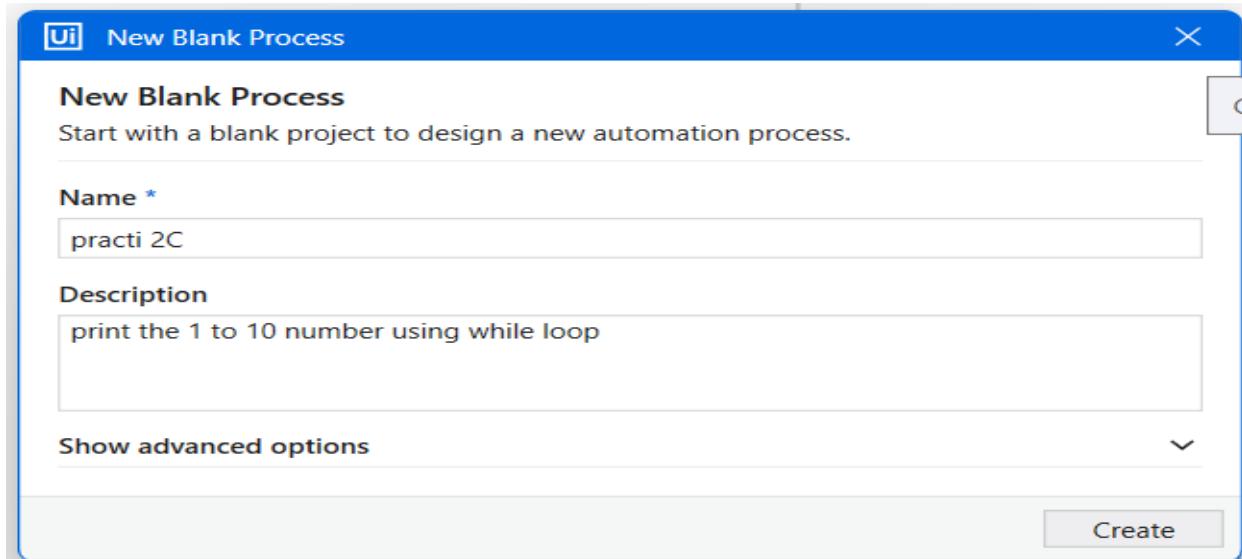
The screenshot shows a terminal window with the following execution log:

```
① Debug started for file: Main
① practical 2 B execution started
① 5is an odd number
① practical 2 B execution ended in: 00:00:24
```

## Practical No:2 C

**Aim:** Create an automation To Print numbers from 1 to 10 with break after the writeline activity inside for each activity .

Step 1: Create a blank process with the appropriate name .

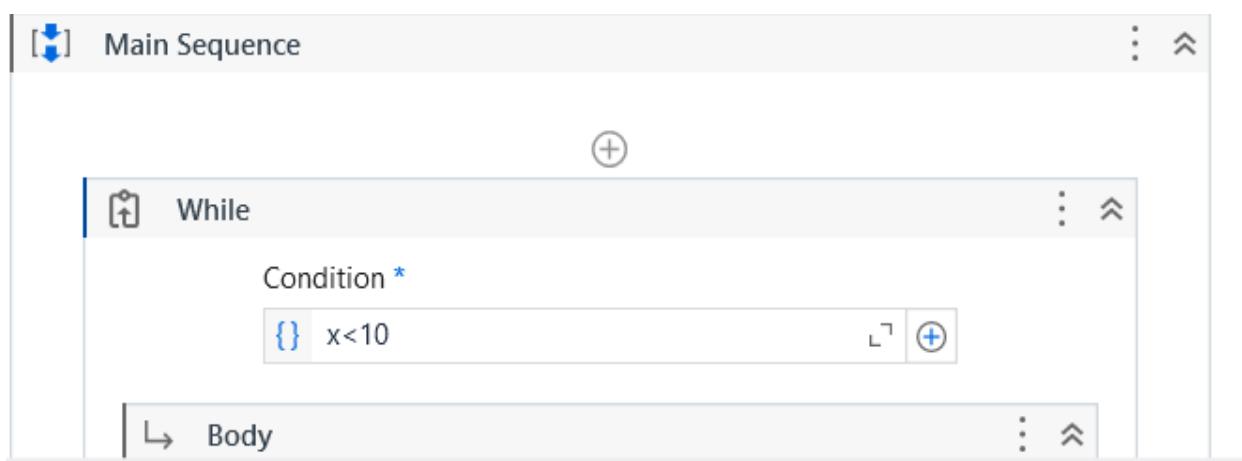


Step 2: Drag and drop the “While activity” inside the sequence.

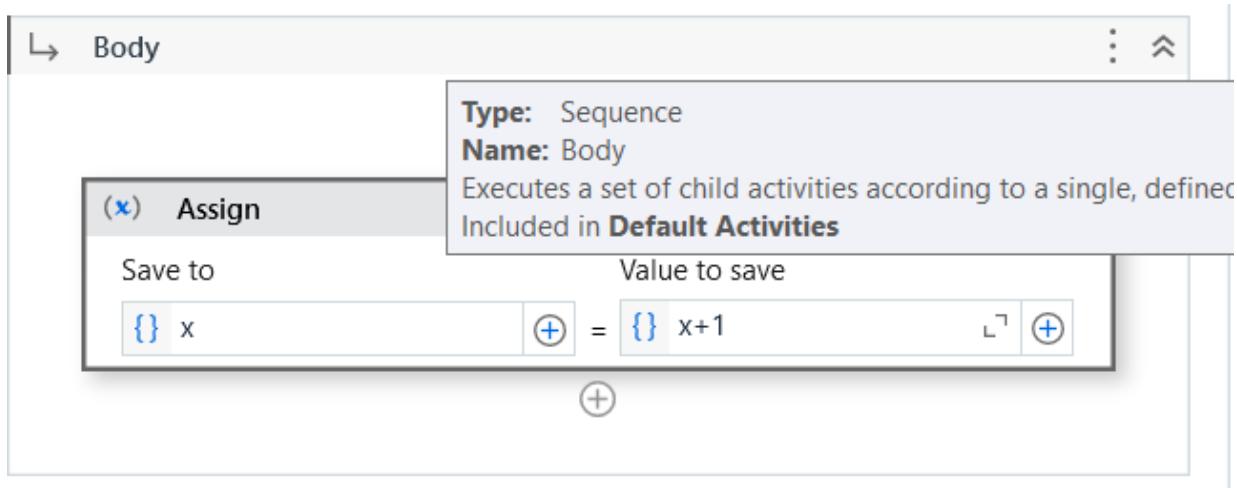
Step 3: Create a variable x with int32 data type with default value is 0.

Name	Variable type	Scope	Default
x	Int32	Main Sequence	0
<a href="#">Create Variable</a>			

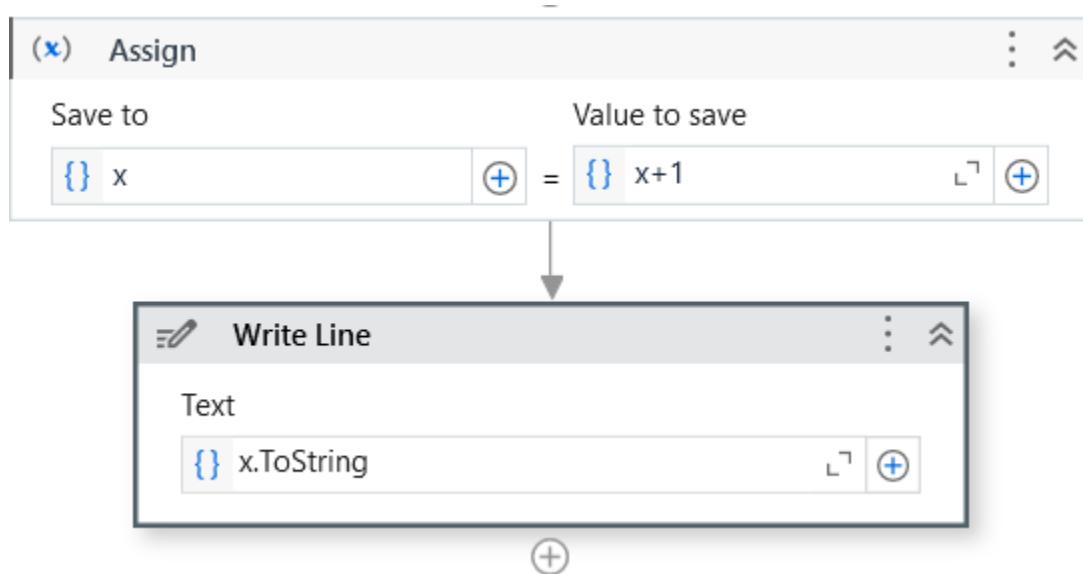
Step 4: In the condition of while activity write X<10.



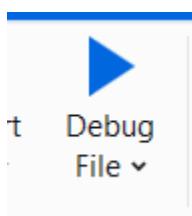
Step 5: Drag and drop the Assign activity inside the body and in save to box write “x” and value to save box write “x+1”.



Step 6: Drag and drop the message box below the Assign activity and write x.ToString.



Step:7 Run the program.



Output:

The screenshot shows the 'Output' window from a debugger interface. At the top, there is a toolbar with several icons: a clock (grey), a red triangle (error, 0), an exclamation mark (warning, 0), a blue circle (information, 2), a green checkmark (success, 0), a red checkmark (failure, 0), a refresh symbol, and a trash can. Below the toolbar is a search bar labeled 'Search'. The main area contains a list of 12 informational messages, each preceded by a blue circular icon with a number from 1 to 10.

Message Number	Message Content
1	Debug started for file: Main
2	practi 2C execution started
3	1
4	2
5	3
6	4
7	5
8	6
9	7
10	8
11	9
12	10

## Practical No:2 D

**Aim:** Create an automation using Do..While Activity to print numbers from 5 to 1.

Step 1: Create a new process with a proper name like do while activity.

Step 2: Drag and drop Do While activity from activity panel inside the sequence.

Step 3: In the body of Do while drag and drop write line below this assign activity.

Step 4: Create variable x with int32 data type and default values is five.

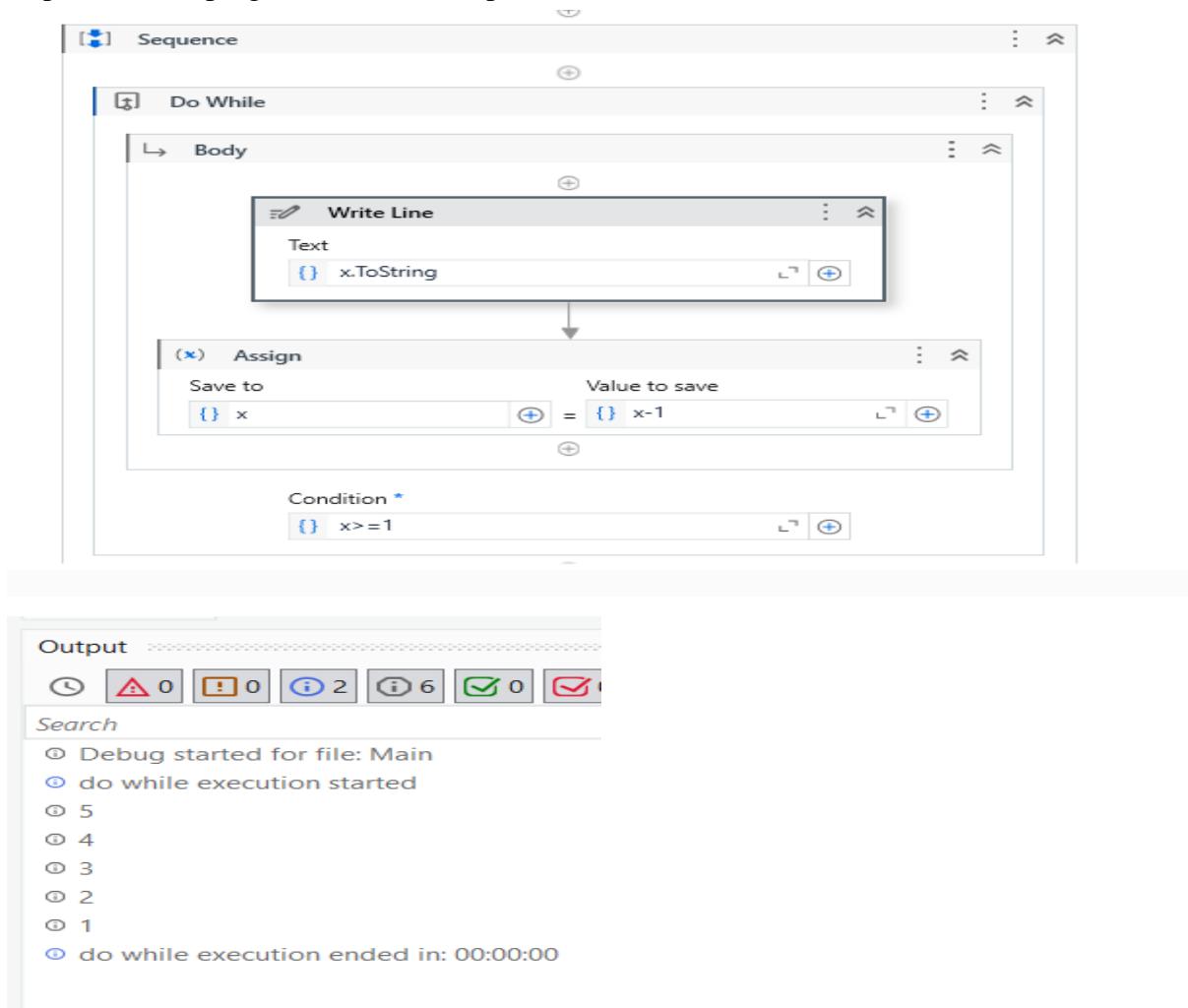
Step 5: In condition of do while type  $x \geq 1$ .

Step 6: In the write line box type `x.ToString`.

Step 7: In assign activity save to type x.

Step 8: In value to save type `x-1`.

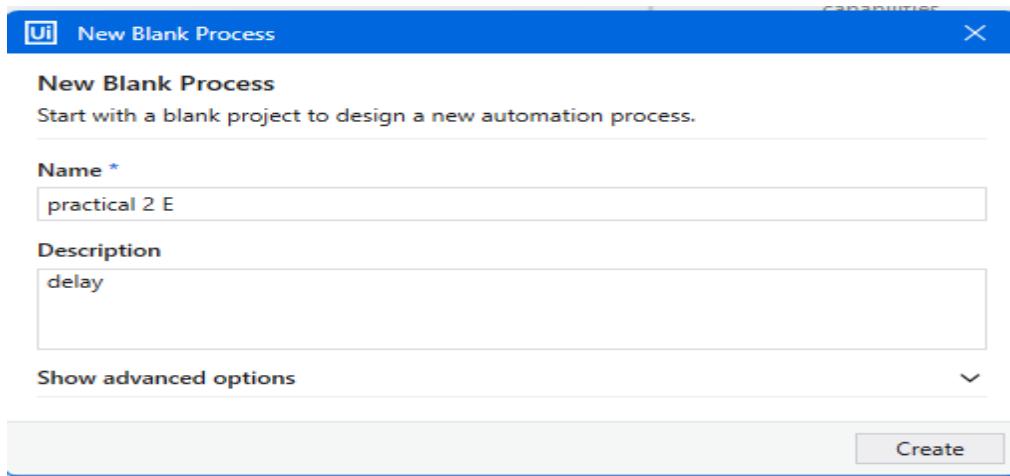
Step 9: Run the program to see the output.



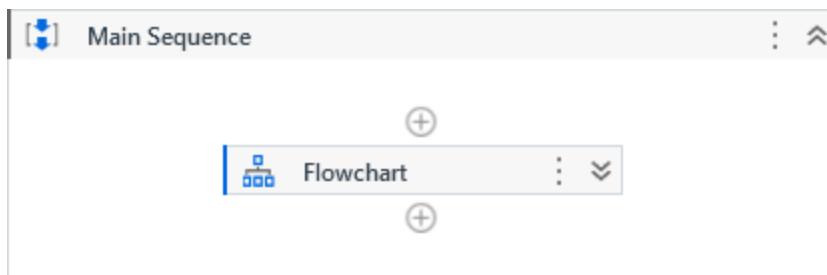
## Practical No:2 E

**Aim: Create an automation using delay activity between two writeline activities to separate their execution by 5 second**

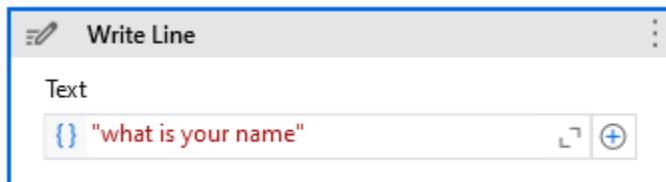
Step 1: create a new process with appropriate name.



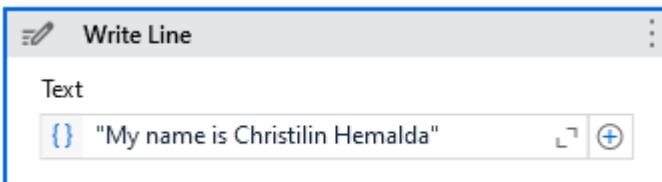
Step 2: Drag and drop the flowchart inside the sequence and expand flowchart



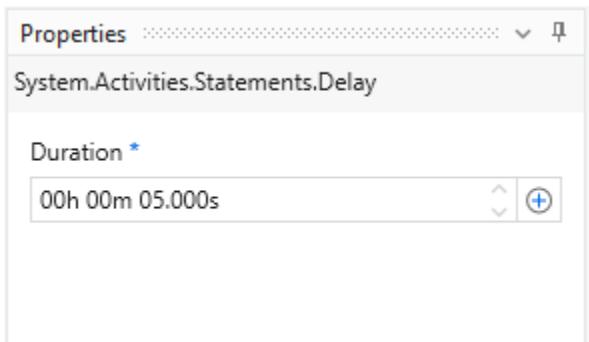
Step 3: Search “write line” in left side and write the question



Step 4: Take second write line and write answer



Step 5 : Click on delay and set the time is 05 second



Step 6: Click on debug



Step 6: This is your final output.

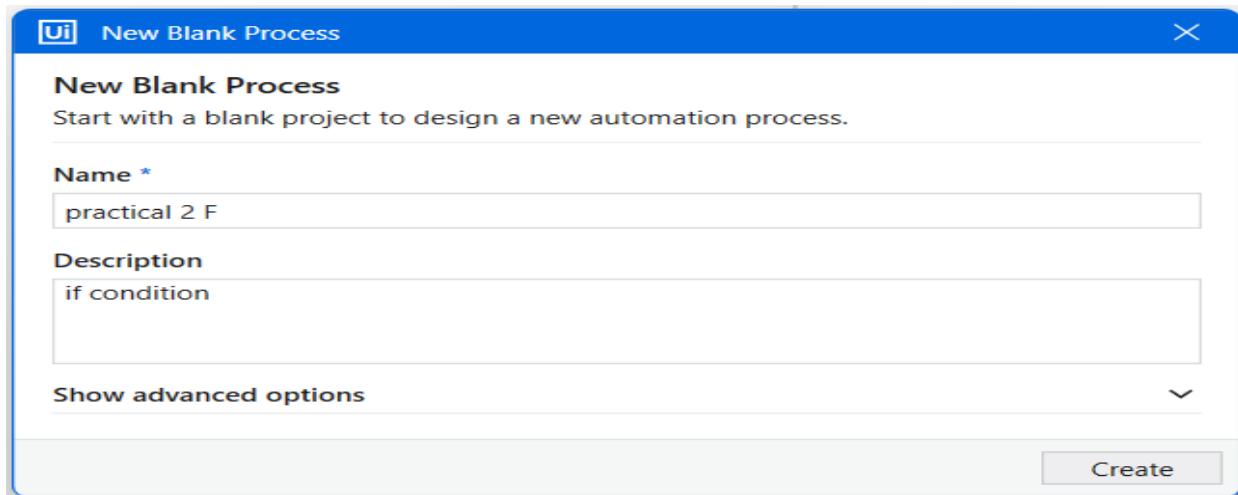
Search

- ① Execution started for file: Main
- ② E execution started
- ③ what is your name
- ④ My name is Christilin Hemalda
- ⑤ E execution ended in: 00:00:05

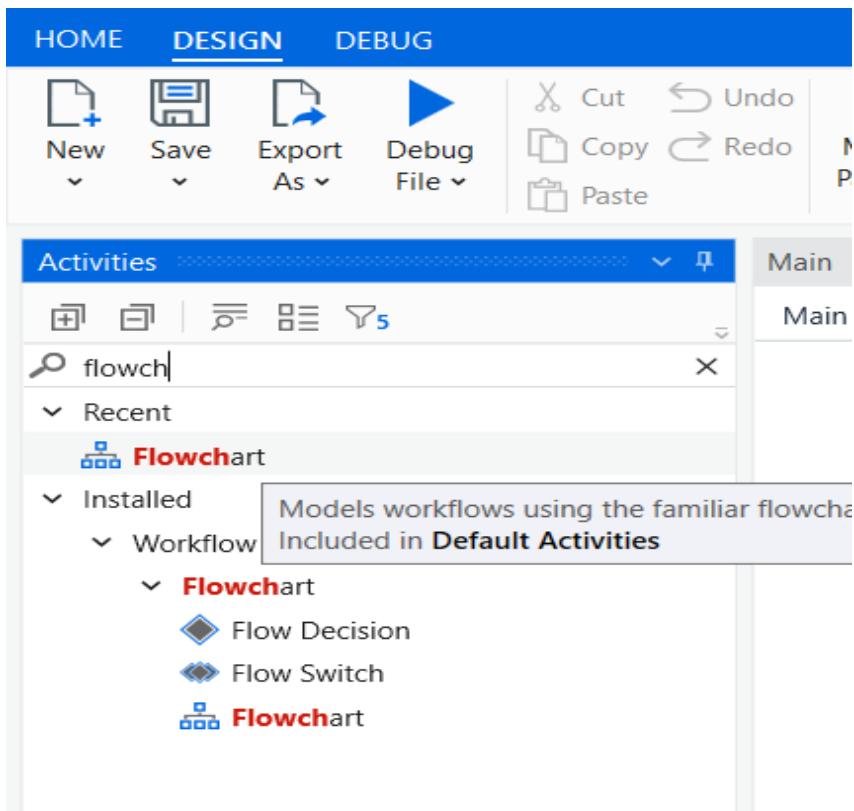
## Practical No:2 F

Aim: Create an automation to demonstrate use of decision statements (if)

Step 1: Create a process with an appropriate name.



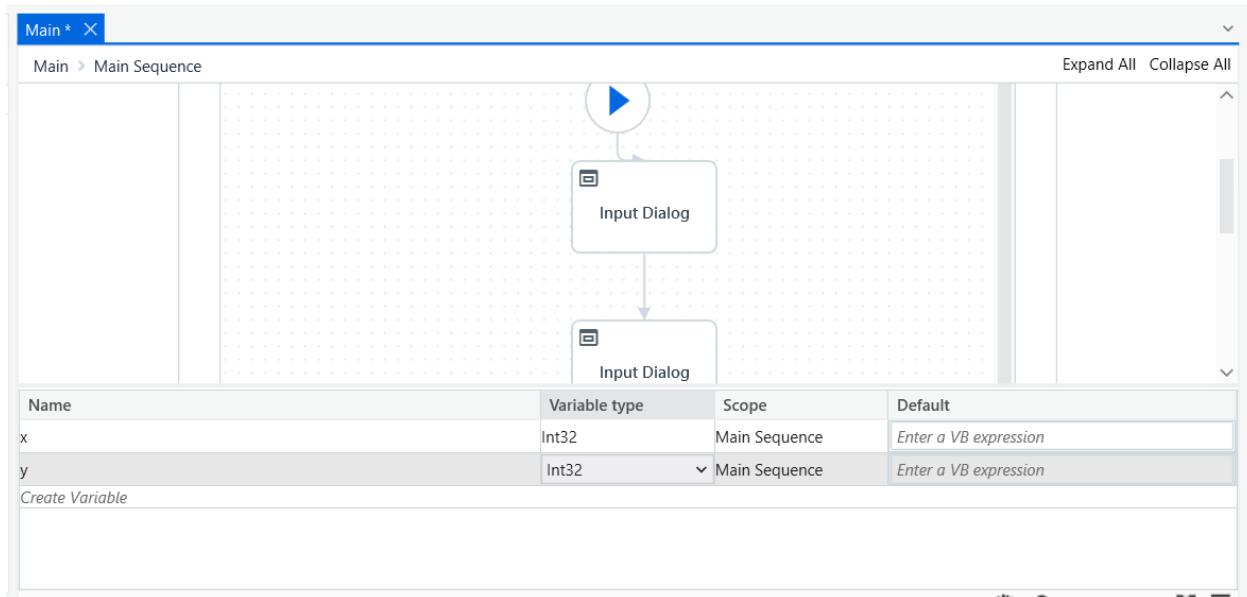
Step 2: Drag and drop the flowchart inside the sequence from activity panel.



Step 3: Create two variable name is x and y with int32 datatype and blank the default column.

Name	Variable type	Scope	Default
x	Int32	Main Sequence	Enter a VB expression
y	Int32	Main Sequence	Enter a VB expression

Step 4: Drag and drop the two “input dialog” and connect to starting node as show in below :

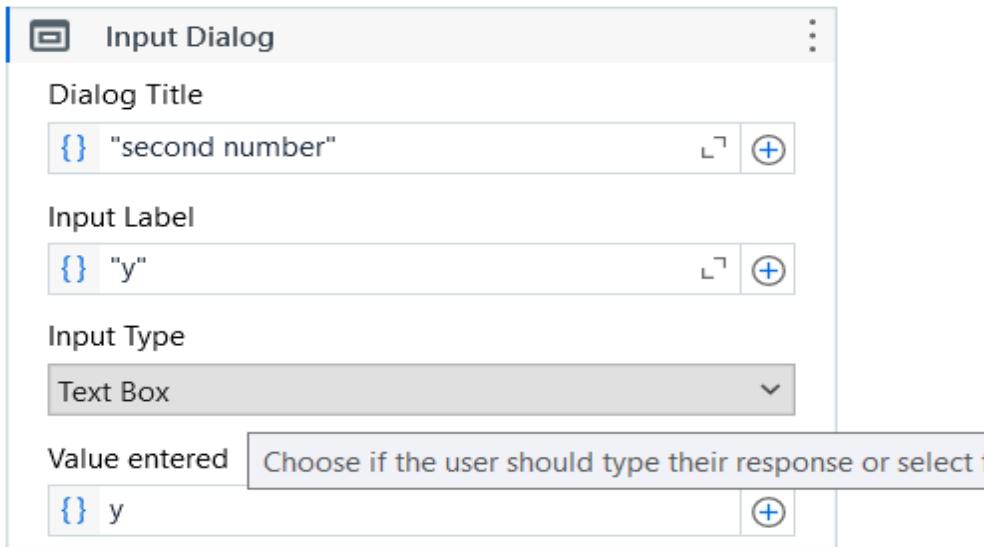


Step 5: follow the below screenshot and fill the first input dialog box.

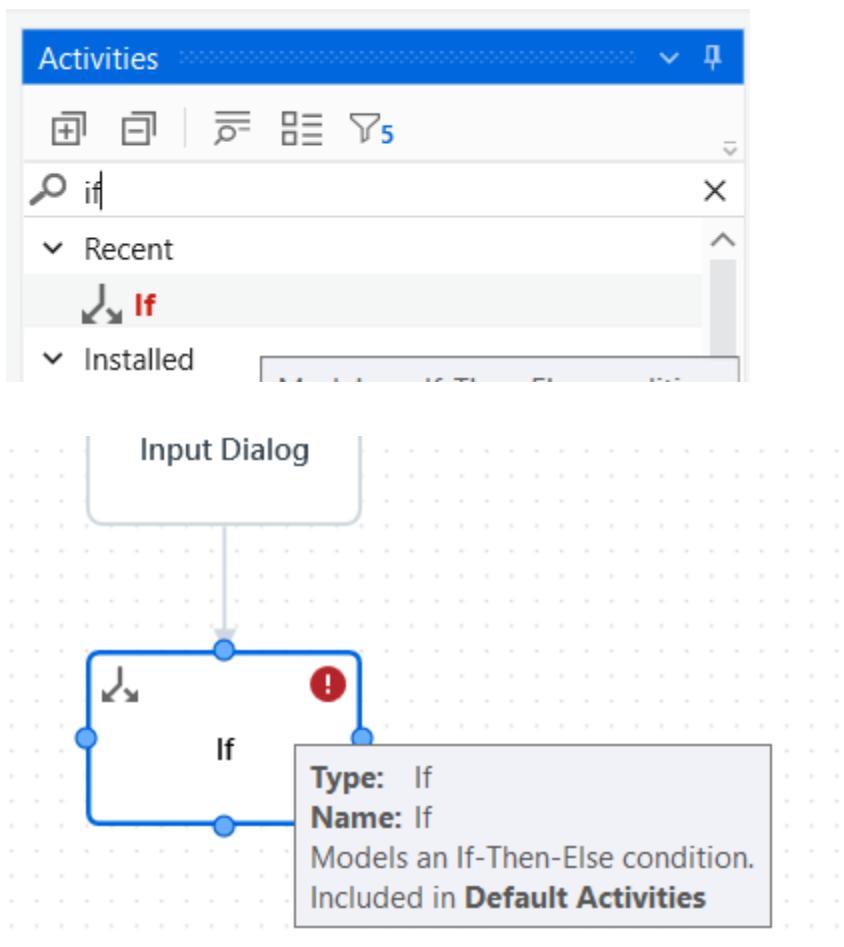
Sequence > Flowchart > Input Dialog

Input Dialog	⋮	
Dialog Title	{ } "enter the first number"	- [ ] + [ ]
Input Label	{ } "x"	- [ ] + [ ]
Input Type	Text Box	▼
Value entered	{ } x	[ ] + [ ]

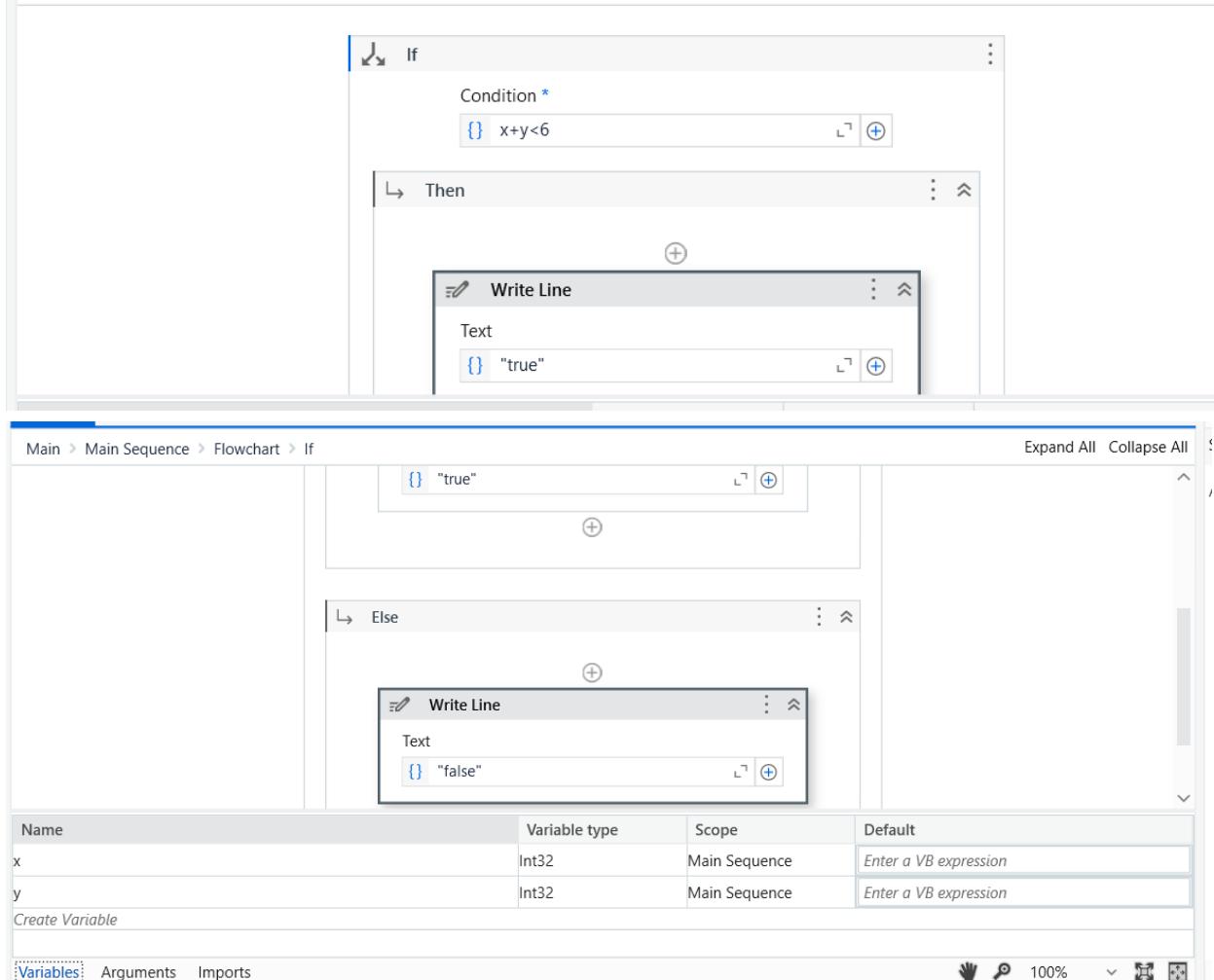
Step 6: Follow the screenshot and fill the second dialog box.



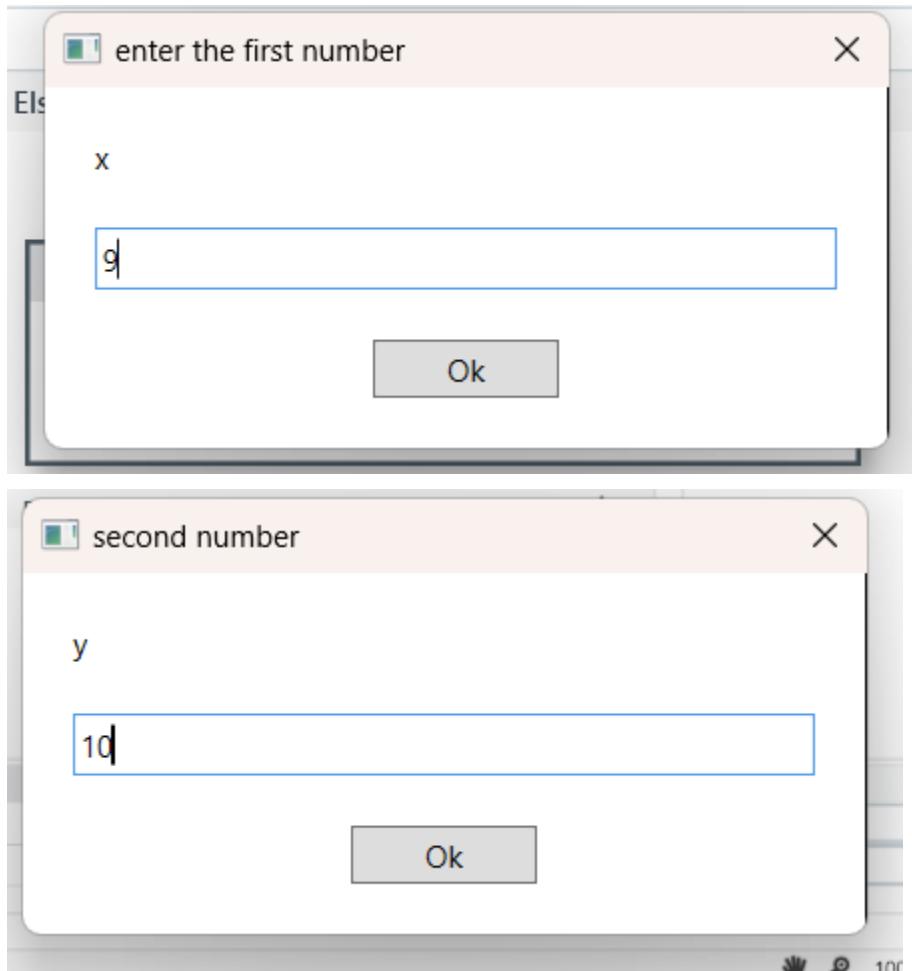
Step 8: Drag and drop the if activity and connect to second input dialog.



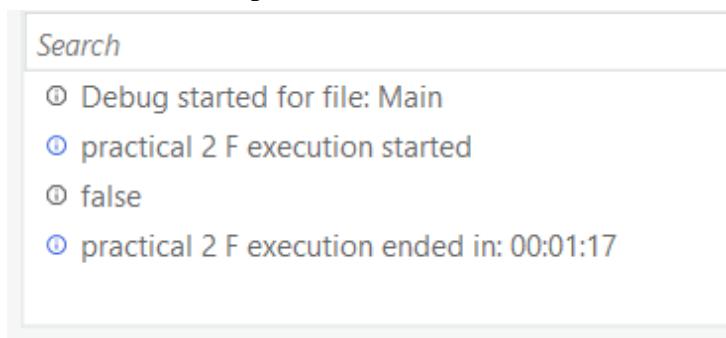
Step: 9 follow the below image and fill according to in if activity.



Step 10: Debug the program and you will see the window and enter the number according to it.



This is the final output:



## Practical No: 3 A

### Aim: Basic Recording using Toolbar

Step 1: Open UiPath Studio and create a Test automation new project.

Step 2: Click on the "App/web recorder" button in the toolbar.

Step 3: Select "Basic" as the recording type.

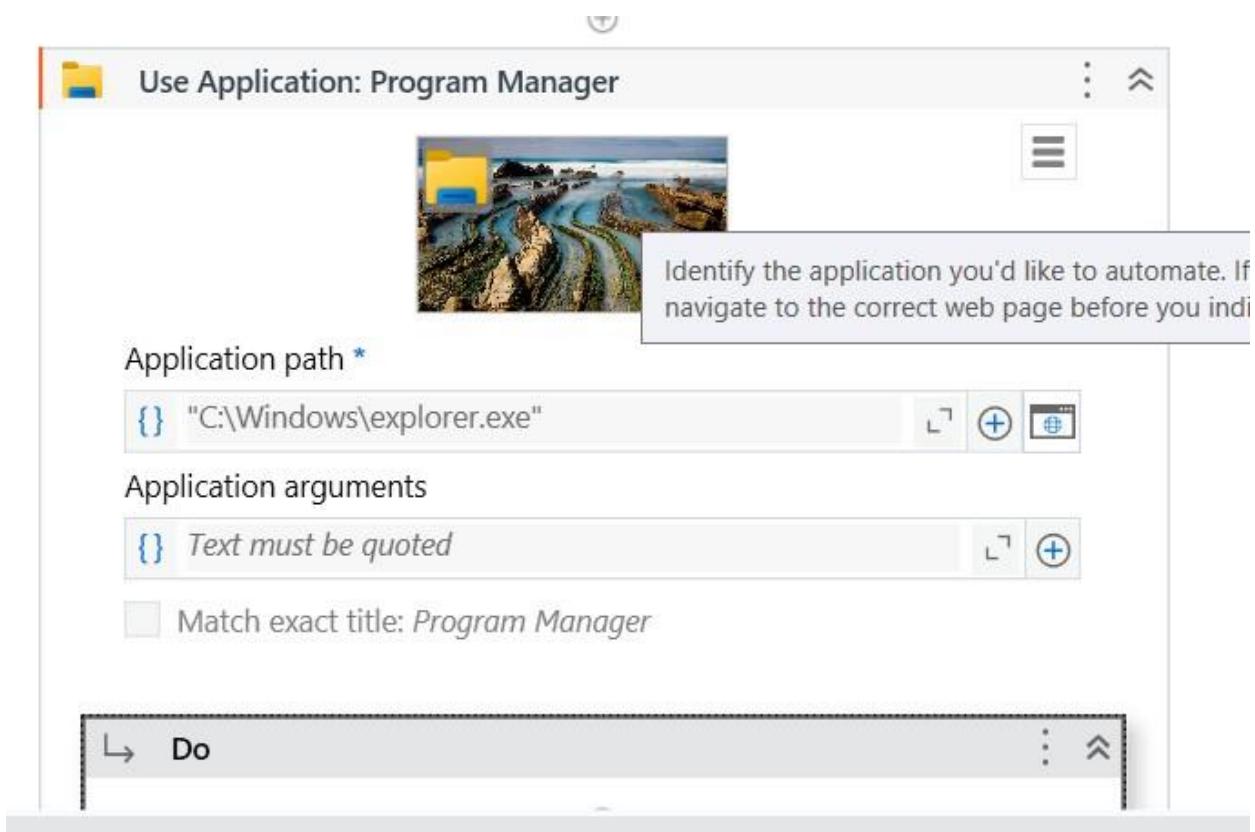
Step 4: Choose the “file explorer” you want to record.

Step 5: Perform the actions you want to automate.

Step 6: Click on the "Stop" button to stop the recording.

Step 7: The recorded actions will be displayed in the "Designer" panel.

Step 8: Click on the run program to see automation.



L Do

+

Click 'This PC Recycle Bin Lea...' 

Click type: Single | Mouse button: Left

Indicate verification target on screen

↓

Click 'button File Explorer'

Single | Left

Indicate verification target on screen

+ **Add Activity (Ctrl + Shift + T)**

Click 'TITLE\_BAR\_SCAFFOLD' 

Click type: Single | Mouse button: Left

Indicate verification target on screen

+

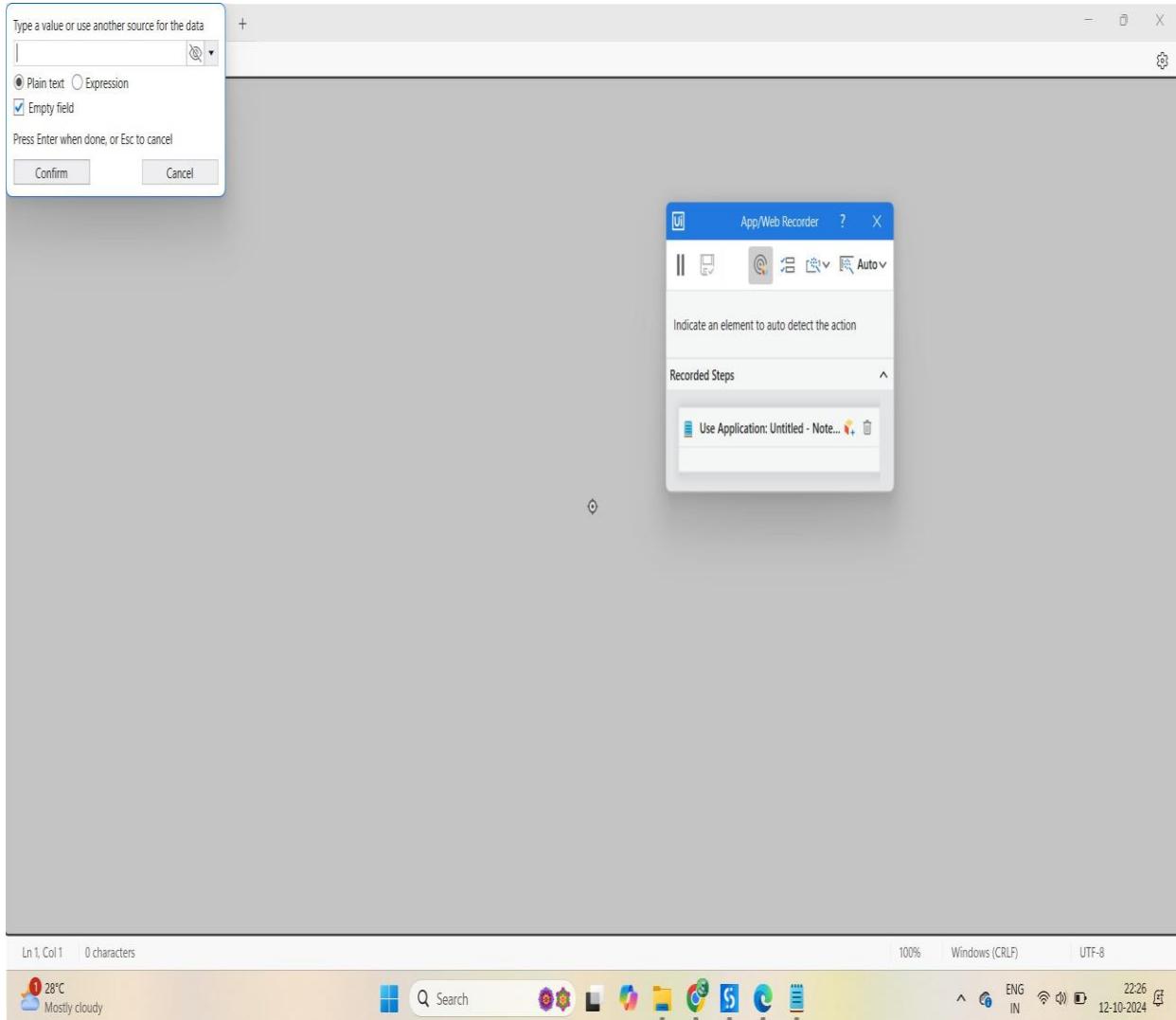
## Practical No: 3 B

### Aim: Basic Recording using Notepad.

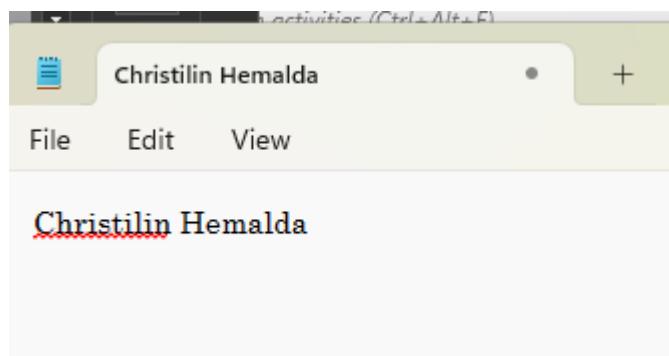
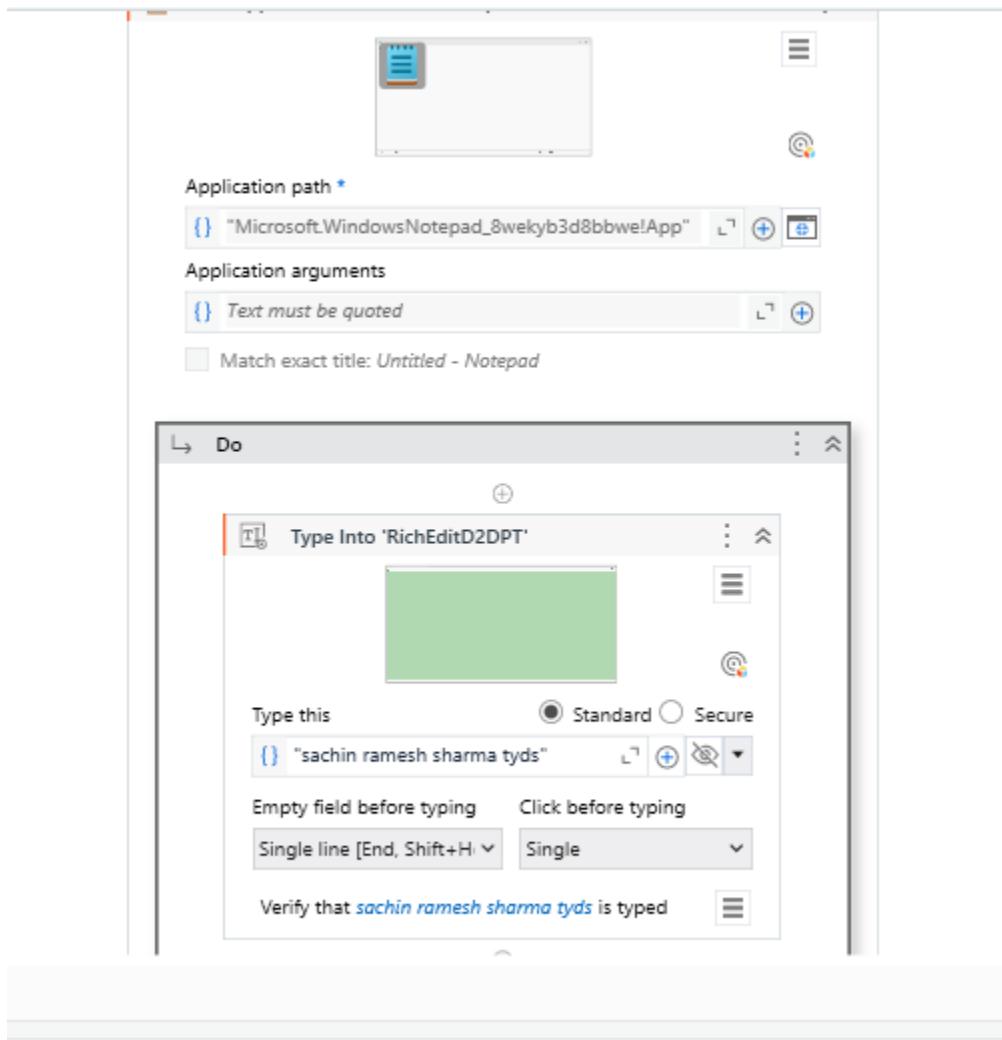
Step 1: Open UiPath studio and create a Test automation new project .

Step 2: Click on the App/web recorder and ensure that a blank notepad will be open in the background

Step 3: Click on Notepad then one window appear



step 4: Type your name inside the value box and save the file and run the file.



## Practical No: 3 C

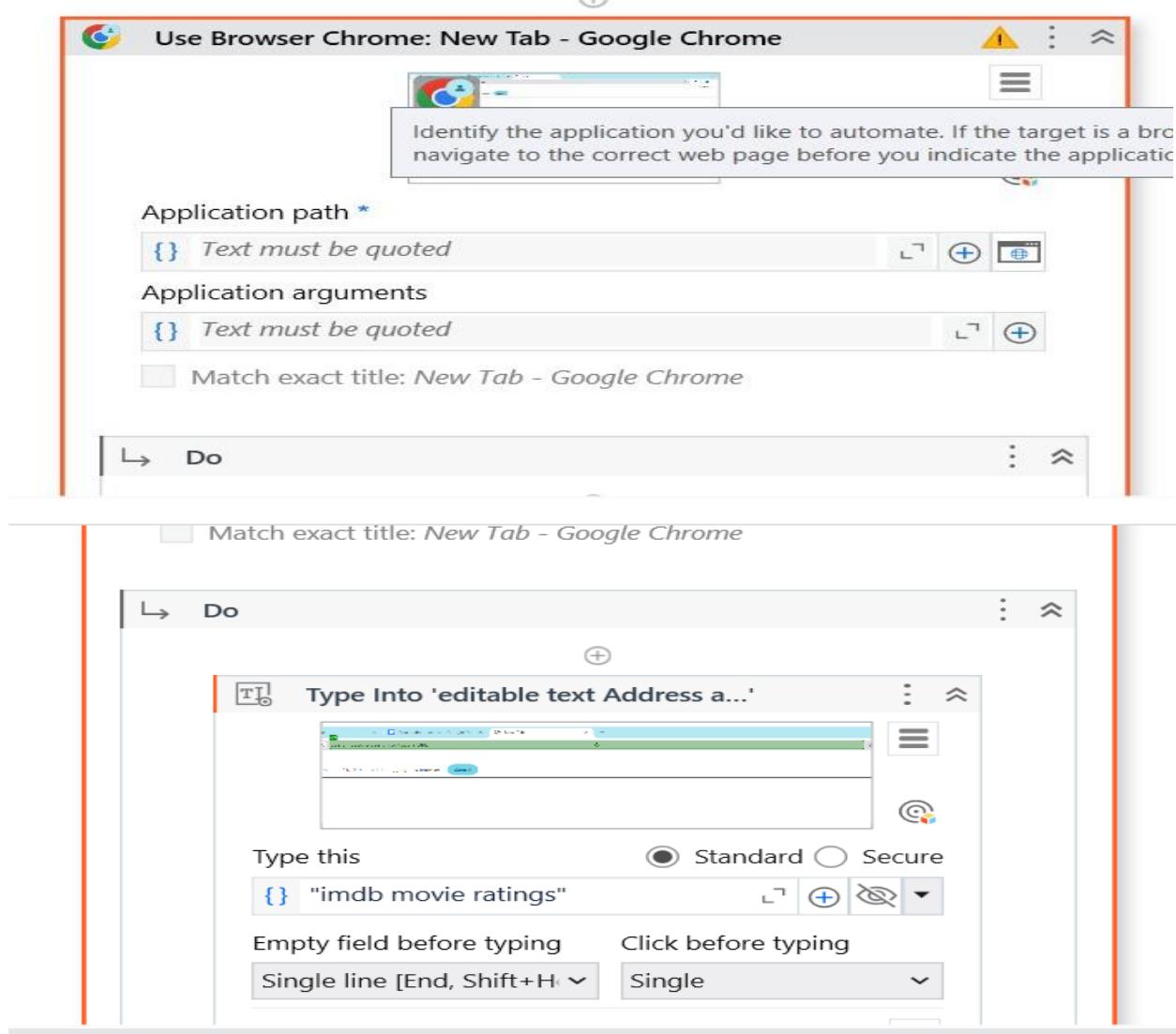
**Aim: Web Recording e.g. Find the rating of the movie from imdb website.**

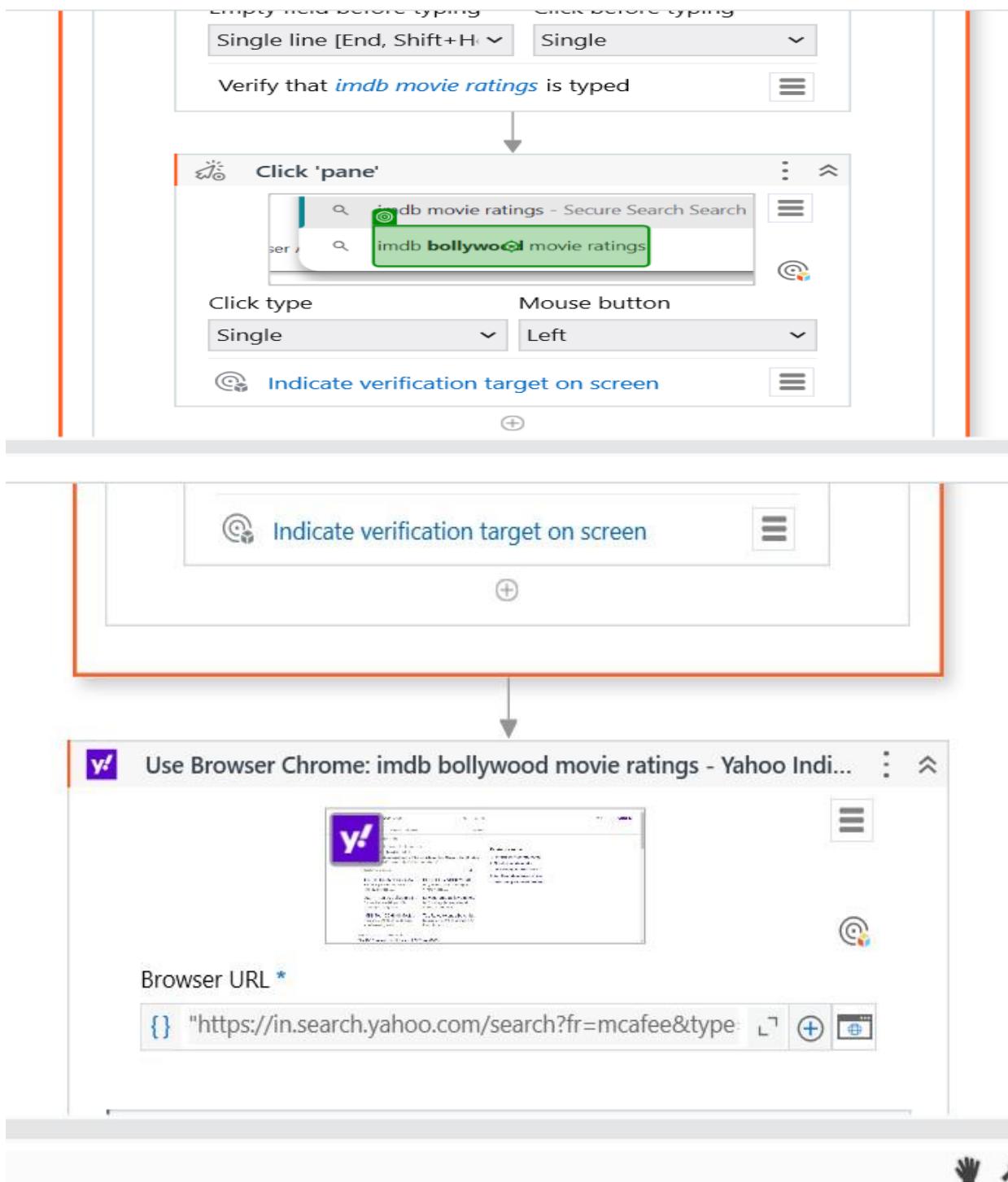
Step 1: Open UiPath studio and create a Test automation new project .

Step 2: Click on the App/web recorder and ensure that a blank chrome will be open in the background,

Step 3: In chrome search bar search imdb movie rating and click on site and rate the movie.

Step 4: Then save the file and run the file.





Browser URL \*

{ } "https://in.search.yahoo.com/search?fr=mcafee&type: ..."

Do

Click 'www.imdb.com > india > ...'

Click type: Single, Mouse button: Left

Indicate verification target on screen

Indicate verification target on screen

Use Browser Chrome: Top Rated Indian Movies - IMDb

Browser URL \*

{ } "https://www.imdb.com/india/top-rated-indian-movie"

Do

Do

Click 'BUTTON'

Click type: Single, Mouse button: Left

Indicate verification target on screen

Click 'PATH'

Indicate verification target on screen

Click 'PATH'

Click type: Single, Mouse button: Left

Indicate verification target on screen

Top Rated Indian Movies - IMDb

imdb.com/india/top-rated-indian-movies/

# INDIA SPOTLIGHT

HOME TOP RATED TRENDING

Top Rated Indian Movies

1 12th Fail

2 Gol Maal

3 Nayakan

4 The World of Apu

5 Anbe Sivam

10 RATE THIS

12th Fail

8.7 8.4 8.6

Rate

India Spotlight

San Diego Comic-Con

Scary Good

Star Wars

Superheroes

Video Games

What's on TV

28°C Mostly cloudy

Search

TestAutomationProject - UiPath Studio Community

Activities

Sequence

Search activities (Ctrl+Alt+F)

- Favorites
  - (x) Assign
  - Sequence
  - Write Line
- Recent
  - Sequence
  - Flowchart
  - Write Line
  - (x) Assign
  - Message Box
  - Do While
  - Output Data Table as Text
  - Highlight
  - Find Matching Patterns
  - Find Image Matches
- Installed

Variables Arguments Imports

Properties

Activity is referencing an element. Target properties should be edited from Object Repository.

Unlink Show

Warning: File path is required

UiPath.UAutomationNext.Activities.NApplicationCa...

Common

Continue on error

Display name

Timeout

Input

Unified Application Target

Input/Output Element

Input element

Output element

Misc

Private

Options

Close

Defines in

Output

① A 0 B 1 C 1 D 4 E 0 F 0 G 0 H 0 I 0 J 0 K 0 L 0 M 0 N 0 O 0 P 0 Q 0 R 0 S 0 T 0 U 0 V 0 W 0 X 0 Y 0 Z 0

Breakpoints & Bookmarks Error List

Watchlist Ideas

sharmaachinramesh123456...

Add To Source Control

VB, Windows

ENG IN 22:50 12-10-2024

## Practical No: 4 A

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

Step 1: Create one excel file with some data and save the file.

Clipboard

B2

	A	B	C	D
1	Roll no.	name		
2		a		
3		b		
4		c		
5		d		
6		a		
7		b		
8		c		
9		d		
10		a		
11		b		
12				
13				
14				
15				

Step 2: Open UiPath to create a new process with the proper name.

Step 3: Drag and drop the excel process scope inside the sequence.

Step 4: Drag and drop the use excel file inside the do of excel process scope.

Step 5: Inside the do of use excel file drag and drop the write cell.

Step 6: In the excel file\* give the path of the created excel file.

Step 7: In the write line of the box of what to write click on + icon and choose Excel ->sheet1[sheet1]->Row count.

Step 8: In where to write\* choose excel->indicate in excel the excel file is open now select one column of filed column and click on confirm.

Step 9: Run the program.

A screenshot of the Microsoft Excel application interface. The ribbon at the top shows tabs for File, Home, Insert, Page Layout, Formulas, Data, Review, View, and Help. The Home tab is selected. The status bar indicates 'customer...' and 'Saved to this PC'. The formula bar shows 'B4' and a fx button. The main area displays a table with two rows:

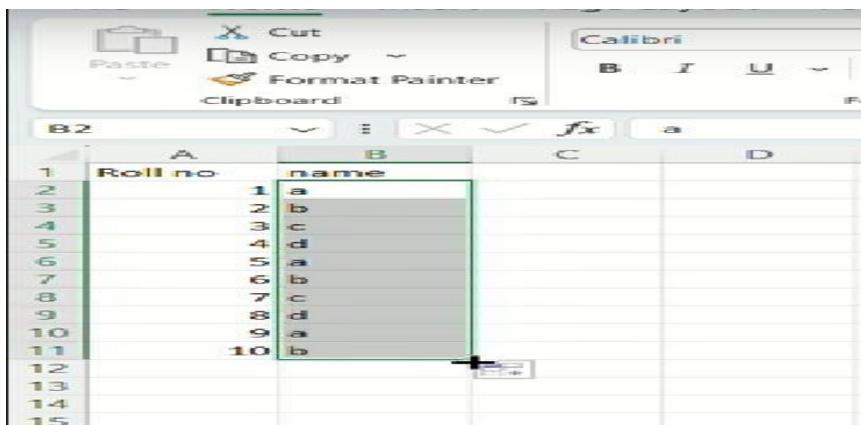
A	B
1	Id(age)
2	1 sachin
3	2 vipin
4	3
5	
6	
7	
8	
9	
10	
11	
12	
13	

The table has three columns: A, B, and C. The first row contains 'Id(age)'. The second row contains '1 sachin'. The third row contains '2 vipin'. The fourth row contains '3'. The fifth row is empty. The sixth through thirteenth rows are also empty. The formula bar shows 'B4' and an fx button. The ribbon tabs include File, Home, Insert, Page Layout, Formulas, Data, Review, View, and Help. The status bar shows 'customer...' and 'Saved to this PC'. The formula bar shows 'B4' and an fx button. The ribbon tabs include File, Home, Insert, Page Layout, Formulas, Data, Review, View, and Help.

## Practical No: 4 B

**Aim:** Create an automation To Write data to specific cell of an excel sheet.

Step 1: Create one excel file with some data and save the file.



Roll no.	name
1	a
2	b
3	c
4	d
5	a
6	b
7	c
8	d
9	a
10	b

Step 2: Open UiPath to create a new process with the proper name.

Step 3: Drag and drop the excel process scope inside the sequence.

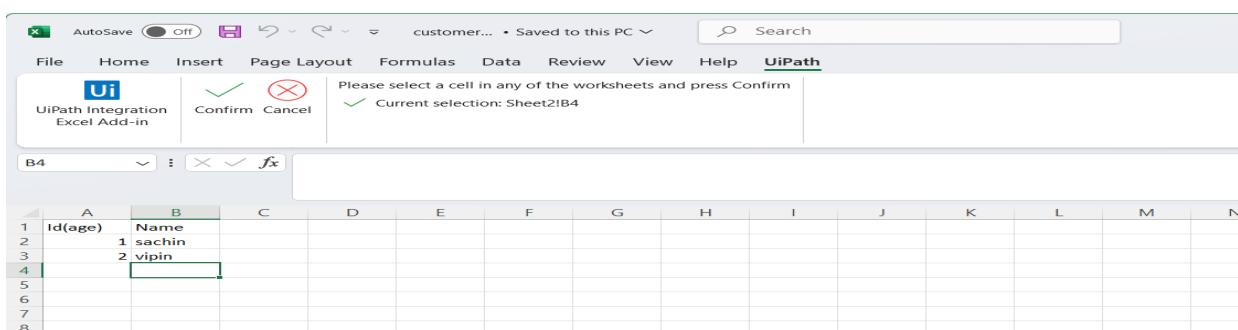
Step 4: Drag and drop the use excel file inside the do of excel process scope.

Step 5: Inside the do of use excel file drag and drop the write cell.

Step 6: In the excel file\* give the path of the created excel file.

Step 7: In the write line of the box of what to write click on + icon and choose Excel ->sheet1[sheet1]->Row count.

Step 8: In where to write\* choose excel->indicate in excel file is open now select one column of filed column and click on confirm.



Id(age)	Name
1	sachin
2	vipin
3	
4	
5	
6	
7	
8	

Step 9: Run the program.

A	B	C	D	E	F	G	H	I
1	Id(age)	Name						
2	1	sachin						
3	2	vipin						
4		3						
5								
6								
7								
8								
9								
10								
11								
12								
13								

Step 10: Now we will write our name in an excel file .

Step 11: Go to write cell activity and in what to write \* write you name in double quotes.

The screenshot shows the 'Excel Process Scope' interface with two main sections:

- Use Excel File:**
  - Excel file: "C:\Users\Sachin\Downloads\data\customerAge.xlsx"
  - Reference as: Excel
  - Checkboxes: Save changes (checked), Create if not exists (checked)
  - Read formatting: Same as project
  - Template file: (unchecked)
- Write Cell:**
  - What to write: "sachin ramesh sharma"
  - Where to write: Excel.Sheet("Sheet2").Cell("B4")
  - Checkboxes: Auto increment row (unchecked)

Step 12: Then run the program.

A	B	C
Roll no.	Name	
1	Nygiel	
2	Latasha	
3	Omkar	
4	Aman	
5	Christilin Hemalda	

## Practical No: 4 C

**Aim: Create an automation To Read data to specific cell of an excel sheet.**

Step 1: Create one excel file with some data and save the file.

Step 2: Open UiPath to create a new process with the proper name.

Step 3: Drag and drop the excel process scope inside the sequence.

Step 4: Drag and drop the use excel file inside the do of excel process scope.

Step 5: Inside the do of use excel file drag and drop the read range.

Step 6: In the excel file\* give the path of the created excel file.

Step 7: In the Read range of the box of Range\* click on + icon and choose Excel ->sheet1[sheet1].

Step 8: Go to property of Read range and create variable using ctrl+k in save to is sachin and check the private box.

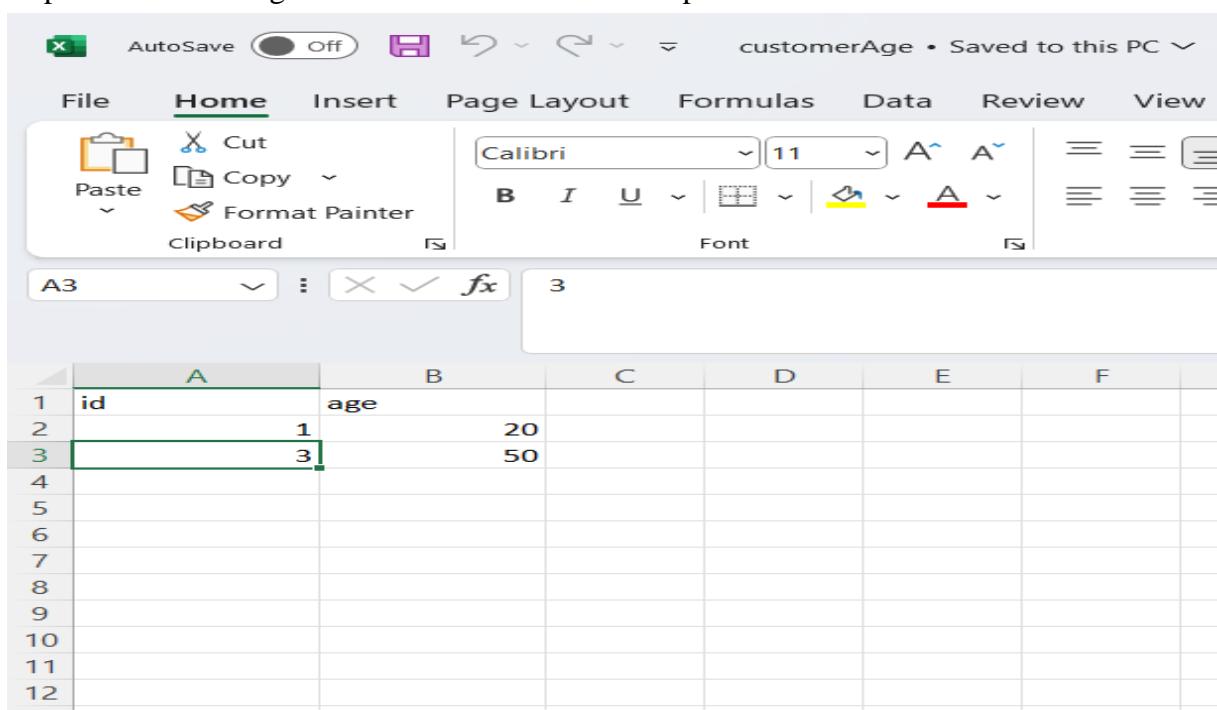
Step 9: Drag and drop the Output data table below the Read Range.

Step 10: In the property of Output data table in Data table give variable name sachin and in Output-> Text create variable vipin .

Step 11: Drag and drop the message box below the Output Data Table.

Step 12: In the message box give variable name vipin and ensure that all variable scope is main sequence.

Step 13: Run the Program to see the number of rows present in the excel sheet.



The screenshot shows a Microsoft Excel spreadsheet titled "customerAge". The ribbon menu is visible at the top, showing tabs for File, Home, Insert, Page Layout, Formulas, Data, Review, and View. The "Home" tab is selected. The formula bar shows the cell reference "A3". The main area contains a table with two columns: "id" and "age". Row 1 is the header. Rows 2 and 3 contain data: row 2 has "1" in column A and "20" in column B; row 3 has "3" in column A and "50" in column B. The table is selected, indicated by a green border around the first two rows. The background of the spreadsheet is white, and the font used for the table is Calibri, size 11.

	A	B	C	D	E	F
1	id	age				
2	1	20				
3	3	50				
4						
5						
6						
7						
8						
9						
10						
11						
12						

Sequence

Excel Process Scope

Do

Use Excel File

Excel file \*

(C:\Users\Sachin\Downloads\data.xlsx\customerAge)

Reference as

Excel

Save changes  Create if not exists

Read formatting Same as project

Template file

Do

Read Range

Range \*

Excel.Sheet("Sheet1")

Has headers  Visible rows only

Save to

sachin

Message...

id,age

1,20

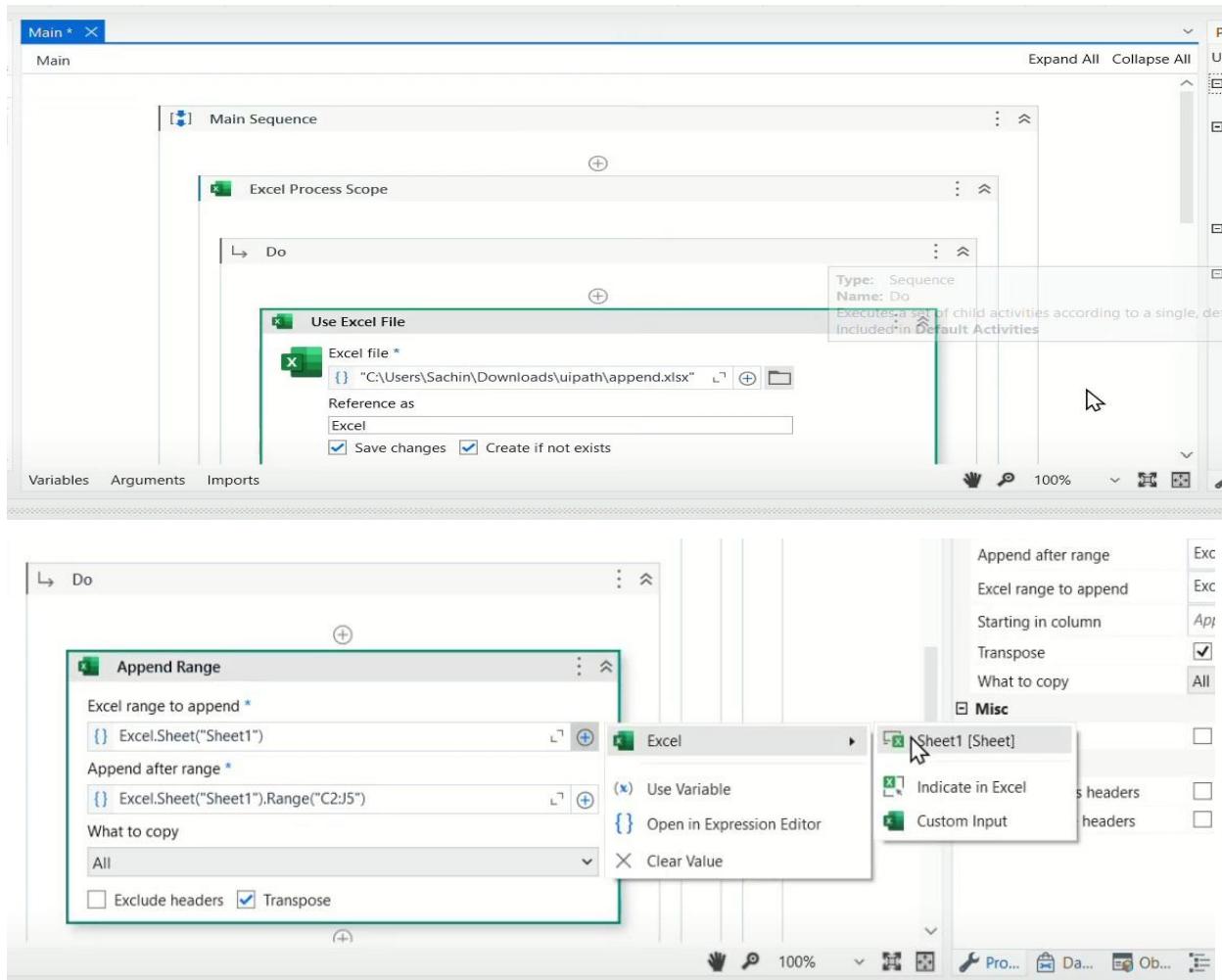
3,50

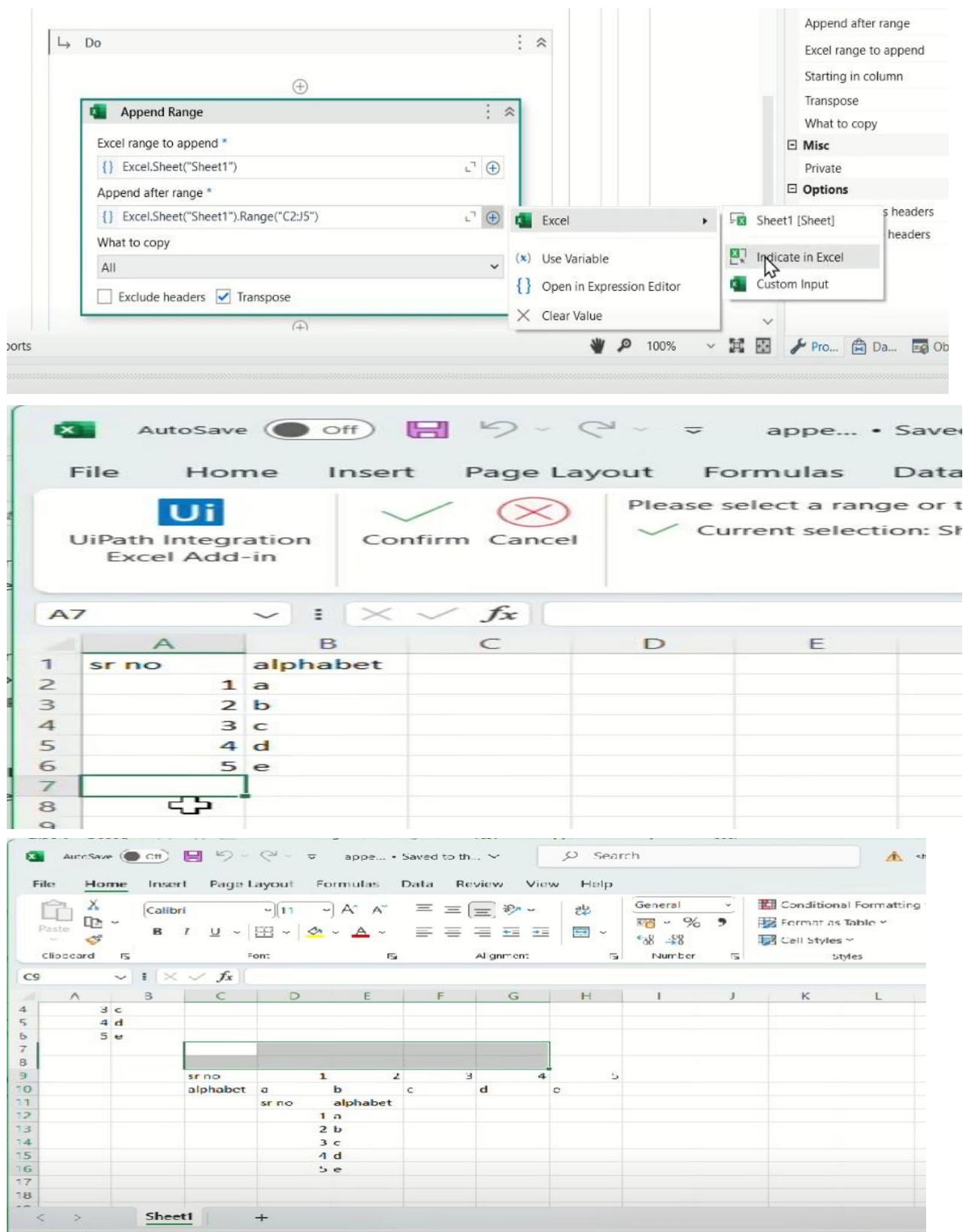
OK

## Practical No: 4 D

**Aim: Create an automation To append data to specific cell of an excel sheet.**

- Step 1: Create one excel file with some data and save the file.
- Step 2: Open UiPath to create a new process with the proper name.
- Step 3: Drag and drop the excel process scope inside the sequence.
- Step 4: Drag and drop the use excel file inside the do of excel process scope.
- Step 5: Inside the do of use excel file drag and drop the Append range.
- Step 6: In the excel file\* give the path of the created excel file.
- Step 7: In the Append Range Of the box of Enter the Range to append\* click on + icon and choose Excel ->sheet1[sheet1].
- Step 8: In the Append Range activity in Append after Range\* click on + icon then excel->Indicate on excel and select cell range then click on confirm.
- Step 9: Run the program to see output.

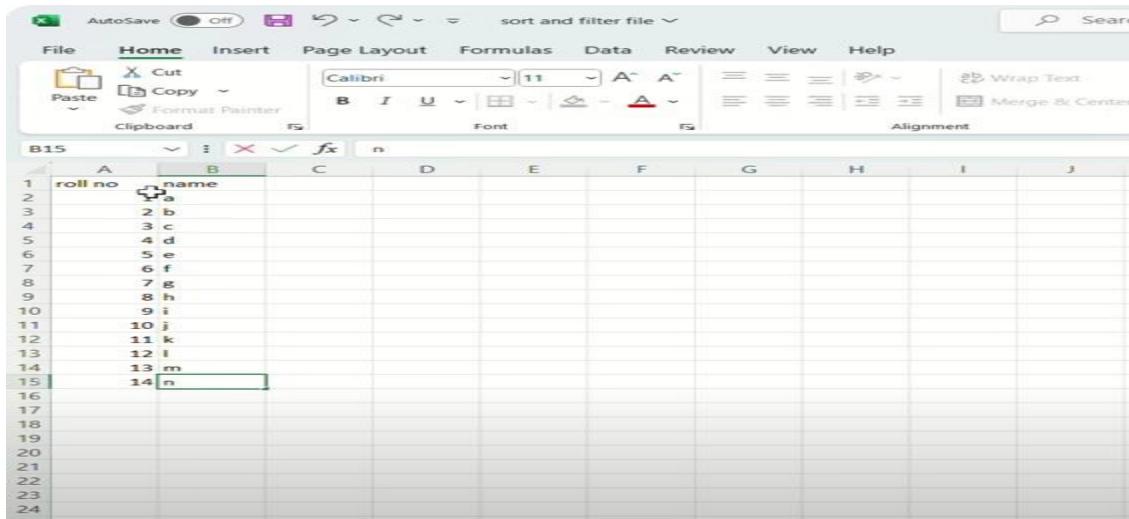




## Practical No: 4 E

**Aim:** Create an automation To sort a table of an excel sheet.

Step 1: Create one excel file with some data and save the file.



roll no	name
1	a
2	b
3	c
4	d
5	e
6	f
7	g
8	h
9	i
10	j
11	k
12	l
13	m
14	n
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

Step 2: Open UiPath to create a new process with the proper name.

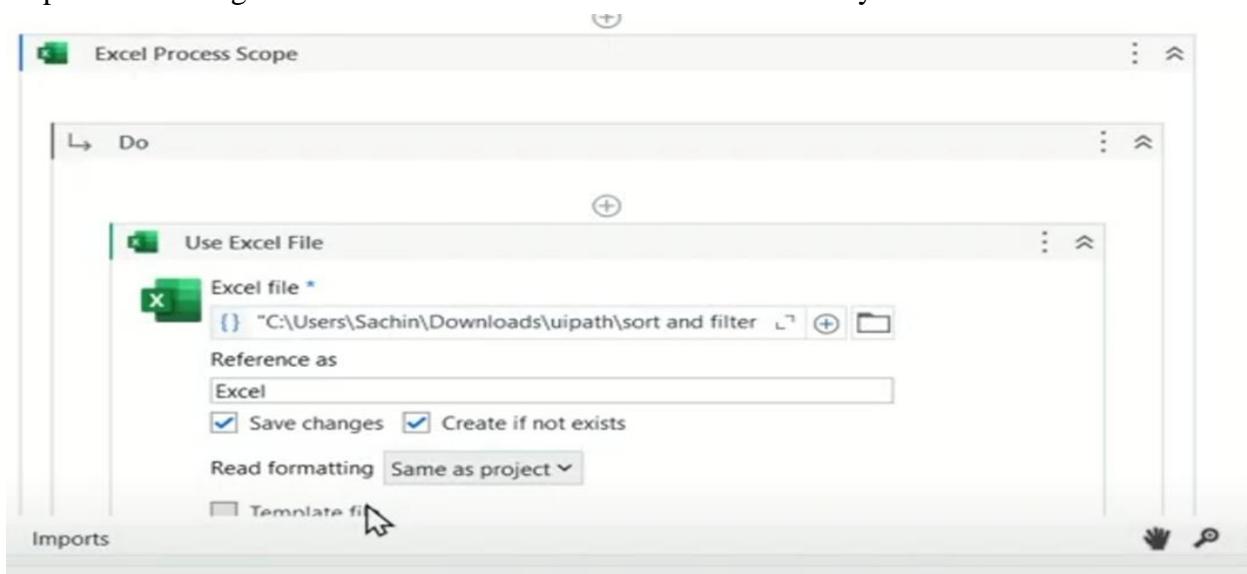
Step 3: Drag and drop the excel process scope inside the sequence.

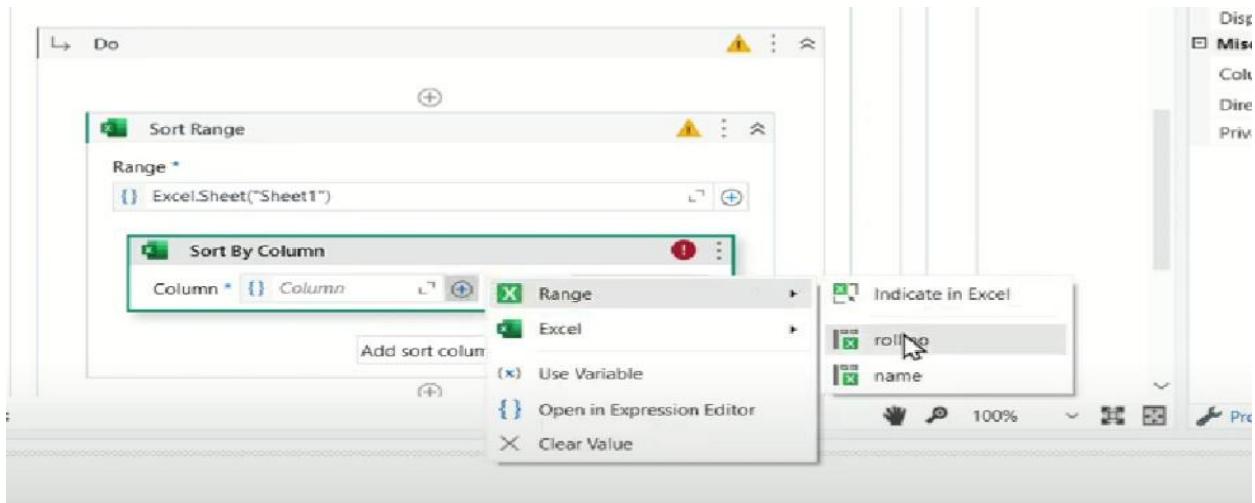
Step 4: Drag and drop the use excel file inside the do of excel process scope.

Step 5: Inside the do of use excel file drag and drop the sort range.

Step 6: Inside the sort range in Range\* give range upto Excel Sheet [sheet1].

Step 7: In sort range click on Add sort column then sort the sheet by column is Roll no.





Step 8: Select the descending order then Run the program.

roll no	name
14	n
13	m
12	l
11	k
10	j
9	i
8	h
7	g
6	f
5	e
4	d
3	c
2	b
1	a

## Practical No: 4 F

Aim: Create an automation To filter a table of an excel sheet.

Step 1: Create one excel file with some data and save the file.

roll no	name
1	a
2	b
3	c
4	d
5	e
6	f
7	g
8	h
9	i
10	j
11	k
12	l
13	m
14	n
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

Step 2: Open UiPath to create a new process with the proper name.

Step 3: Drag and drop the excel process scope inside the sequence.

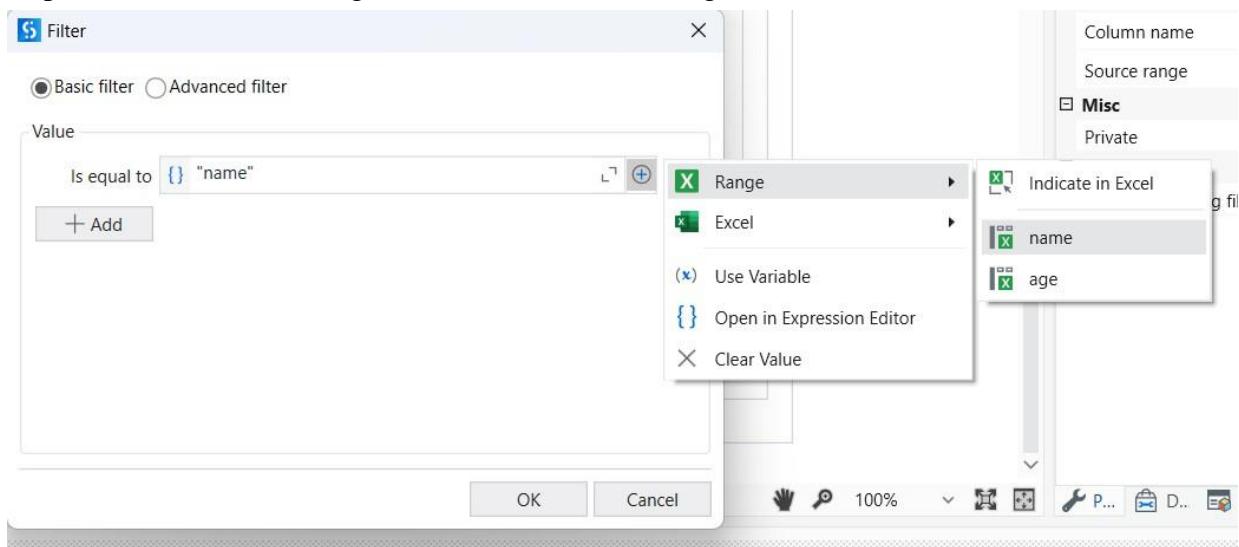
Step 4: Drag and drop the use excel file inside the do of excel process scope.

Step 5: Inside the do of use excel file drag and drop the filter.

Step 6: In filter source choose file Excel->sheet->[sheet1].

Step 7: In filter column name click on + icon ->Range->name.

Step 8: Then click on configure and follow below image and click on ok.



Step 9: Click on run to see the output

The screenshot shows a Microsoft Excel interface with the following details:

- Top Menu Bar:** File, Home, Insert, Page Layout, Formulas, Data, Review, View, Help.
- Font and Alignment Groups:** Cut, Copy, Paste, Format Painter, Calibri font size 11, Bold, Italic, Underline, Alignment buttons, Wrap Text, Merge & Center.
- Cells Selected:** B15:B16, containing "roll no" and "name".
- Open Contextual Menu:** Shows sorting options (Sort A to Z, Sort Z to A), color filtering, sheet view, and text filters.
- Text Filters Submenu:** Shows a search bar and a list of lowercase letters (a through z) with checkboxes. The checkbox for 'd' is checked.
- Bottom Row:** Cells 40 and 41 are visible.

## Practical No: 5 A

### Aim: Implement the attach window activity.

Aim: Implement the attach window activity.

Step 1: Create a blank process with the appropriate name.

Step 2: Drag and drop the sequence.

Step 3: Drag and drop “Attach window” activity.

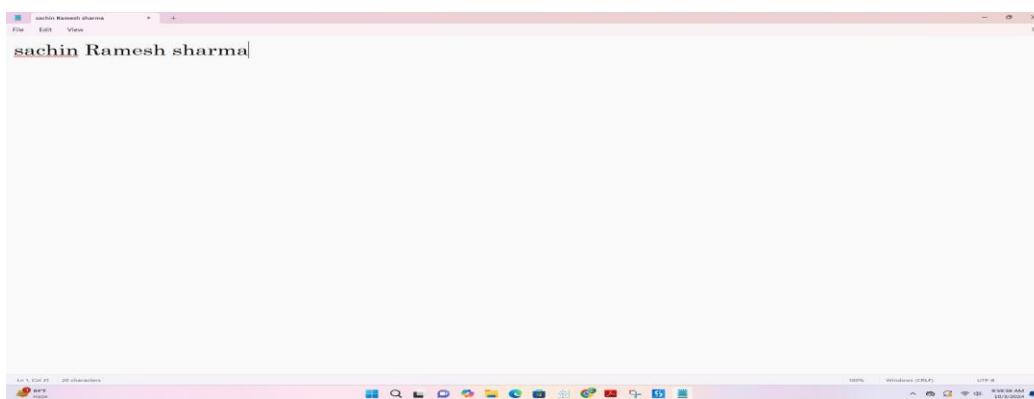
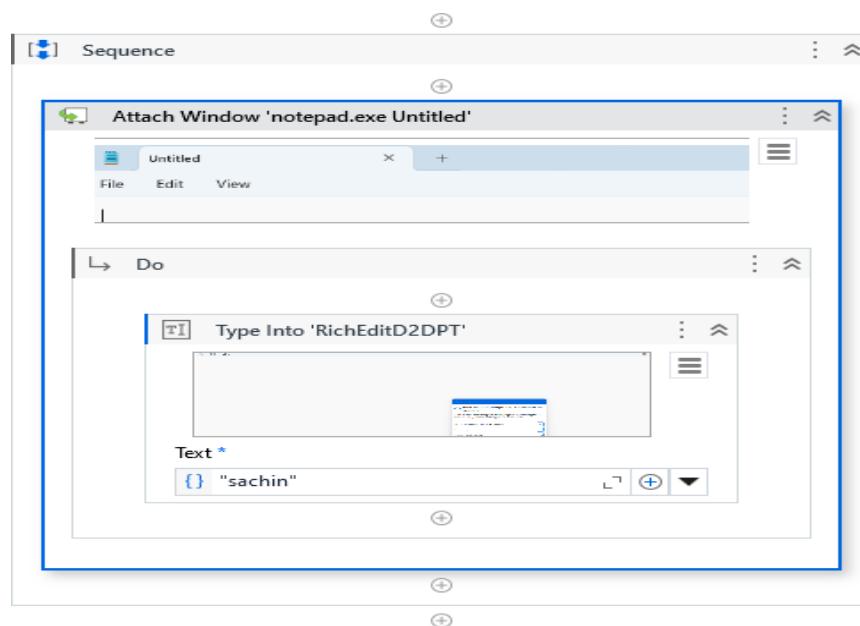
Step 4: Open Notepad in the background.

Step 5: Click on the indicated window onscreen and select the notepad.

Step 6: Then drag “Type Into activity” in the do section.

Step 7: Then click on “indicate window” of type into activity and the click on notepad type section.

Step 8: Click on the run file in the Debug.



## Practical No: 5 B

### Aim: Automate using Anchor Base.

Step 1: create a blank process and give the appropriate name .

Step 2: drag and drop sequence inside another sequence.

Step 3: Open chrome search RPA challenge.com and minimize the page.

Step 4: Open Ui Path drag and drop the “Anchor base”.

Step 5: Inside the Anchor base drag and drop the “find Element “ and go to properties of Anchor Base and go to input and change the AnchorPosition in Top.

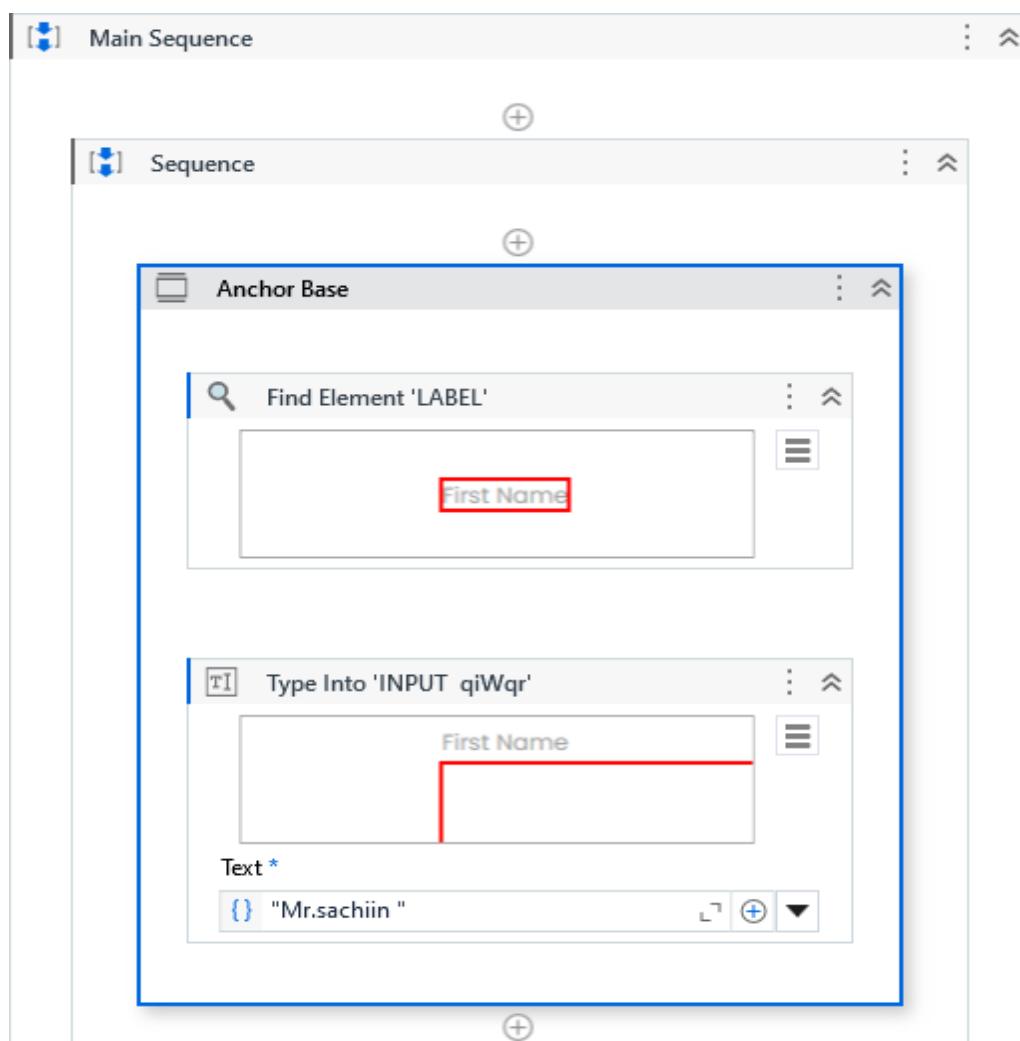
Step 5: Drag and drop the “Type info(TI) inside the anchor base.

Step 6: click on find element “indicate “ and click on the first name only.

Step 7: click on Type into and click on the “indicate” and select the space of first name.

Step 8: In the Type into \*Text type your name in quotes.

Step 9: debug the program.



## Practical No: 5 C

### Aim: Automate using Element Exists.

Step 1. Open google chrome page and minimize the chrome.



Step 2. Open Ui Path create a new process

Step 3. Click on the filter and check the Classic option.

Step 4. Drag and drop the Open Browser inside the sequence.

Step 5. Write url inside the URL box "<http://www.google.com/>"

Step 6. Drag and drop the Element Exist inside the Do panel, and click on "indicate element inside the browser after clicking the google page open and select the "google search" and close the browser.

Step 7. Click on the open browser and go to properties panel and go to Input and select drag option and click on the chrome option.

Step 8. Click on the Element exist and go to properties panel and go to Output and type inside ctrl+K and make the variable name is status.

Step 9. Click on + icon of Element Exist and drag and drop the "if activity".

Step 10. Inside the if activity in condition type status=True.

Step 11. Drag and drop the write line inside the Then .

Step 12. Inside the Then write line write "Google search exist"

Step 13. Drag and drop the write line inside the else panel.

Step 14. Inside the else write line type "Google search does not exist".

Step 15. Click on the save and debug the program.



## Output

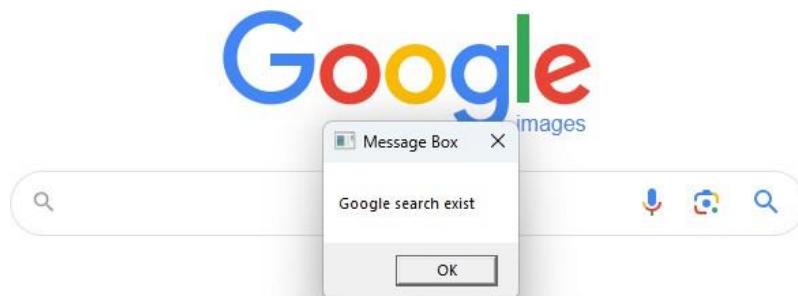


Google offered in: हिन्दी वार्ना ત્યારું મરાઠી તથી ગુજરાતી ચન્દ્રાં મળયાણો પેનાચી

Step 16. Now change the Url "<http://www.google.com/imghp>"

Step 17. Save the file and debug the program.

### Output



## Practical No: 5 D

### Aim: Automate using Find Children control.

Step 1: Create a blank process with the appropriate name.

Step 2: Drag and drop the sequence .

Step 3: Drag and drop the Open browser inside the sequence and choose the browser type chrome in the property of Open browser.

Step 4:Inside the Open browser Url write "<https://acme-test.uipath.com/vendors/inventory>".

Step 5: Open google and paste the link and new page open.

Step 6: Drag and drop the find children inside the Do of open browser and the property of find children in output create variable Children using ctrl+K.

Step 7: In find children click on the indicated window and select the vendor code.

Step 8: Click on + icon to find children and drag and drop the for each activity.

Step 9: In for each In\* box give variable name Children.

Step 10: In the body of for each activity drag and drop the Get attribute.

Step 11: In the property of for each the Argument Type is "UiPath.core.UiPathElement".

Step 12: In the property of Get Attribute choose currentUiElement in the Input/Output Element.

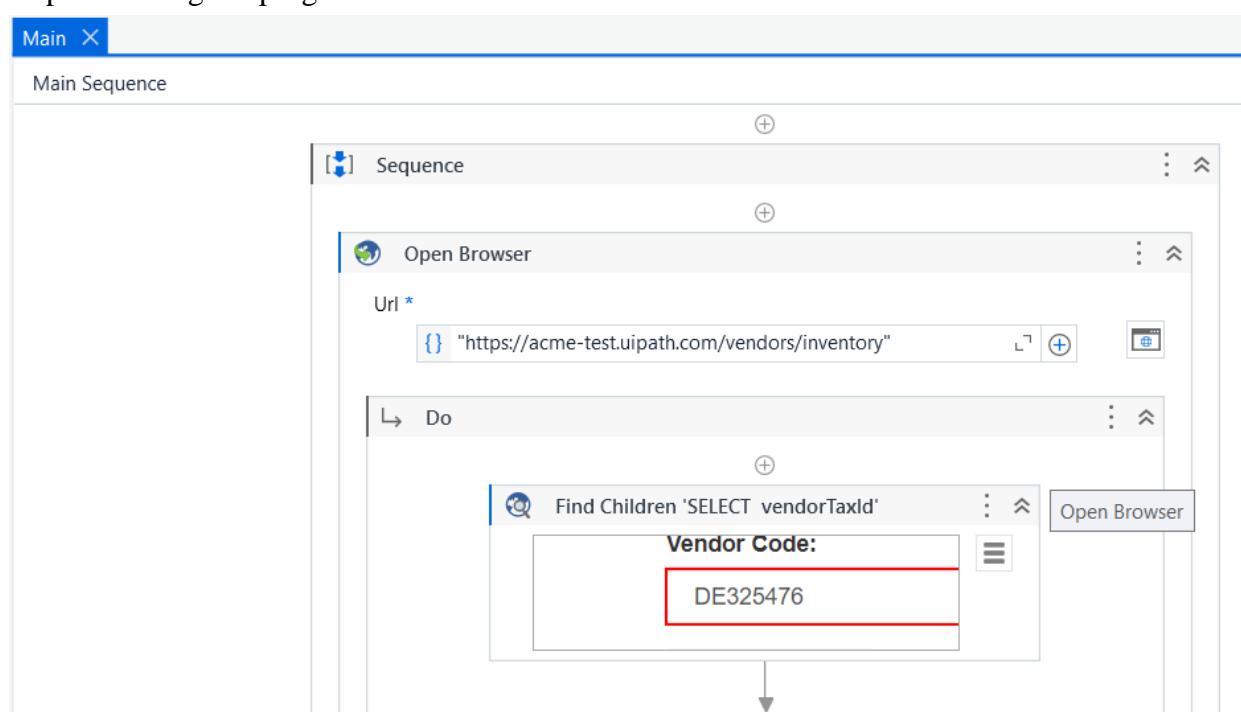
Step 13: In Attribute box choose "aaname"

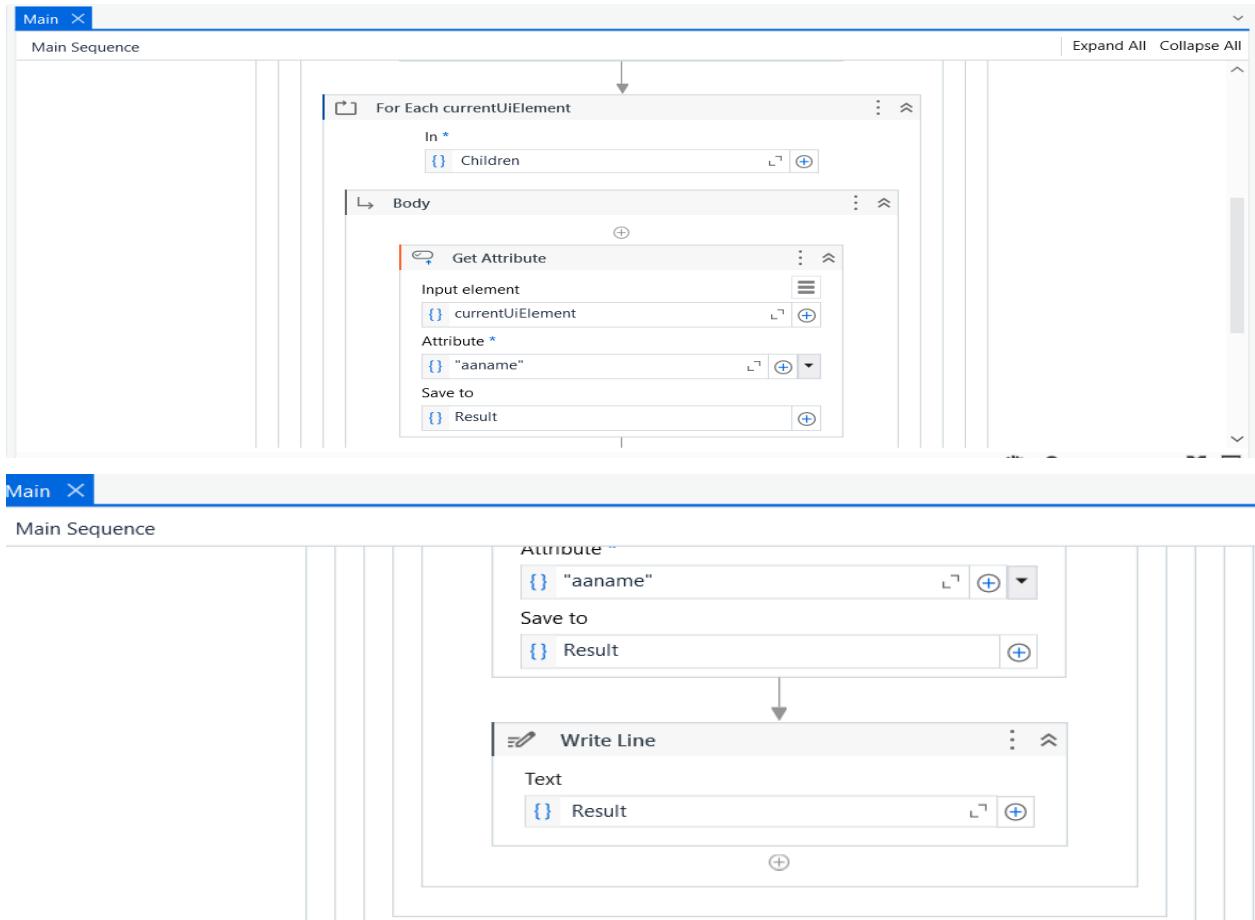
Step 14: Create variable result inside the Output box in property of Get attribute.

Step 15: Drag and drop the write line below the Get Attribute.

Step 16: Inside the message box type Result variable name.

Step 17: Debug the program.





**Vendor Code:**

DE325476

**DE325476**

FR065748

IT145632

RO094782

RU567434

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## Practical No: 5 E

**Aim:** Use Get Ancestor control.

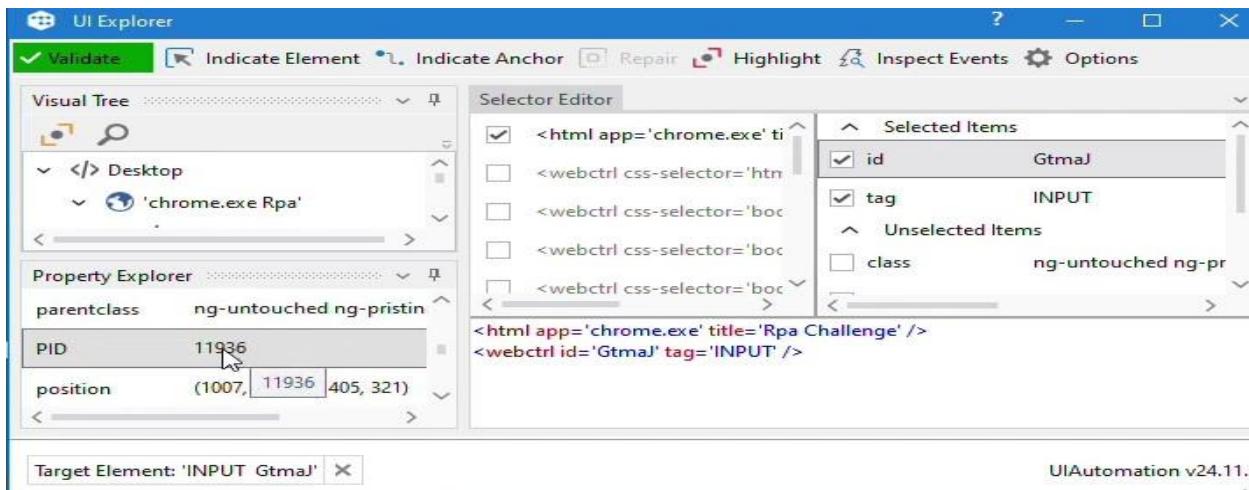
Step 1: Create black process with the appropriate name.

Step 2: Drag and drop the sequence and inside the sequence drag and drop the get ancestor.

Step 3: In the background open chrome and search <https://rpachallenge.com/>.

Step 4: Click on the Indicate window and select the submit button.

Step 5: Come to UiPath and select uipath explorer on top and select Indicate element and click on notepad then identify PID-11936 in property explorer.



Step 6: Go to the property of Get Ancestor and create a variable anc inside the Ancestor box.

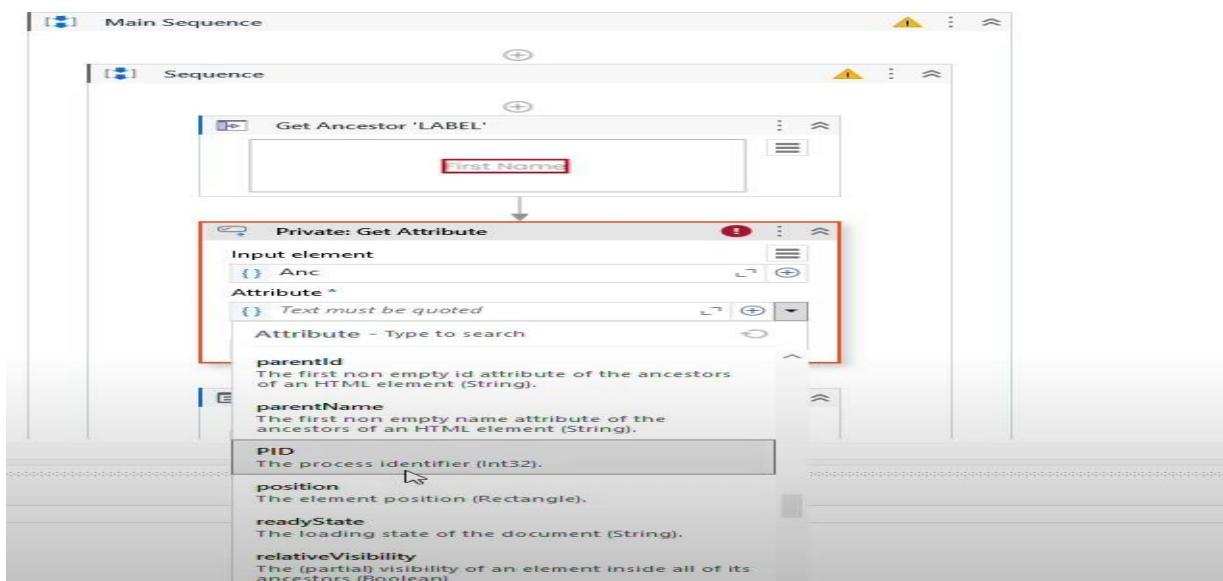
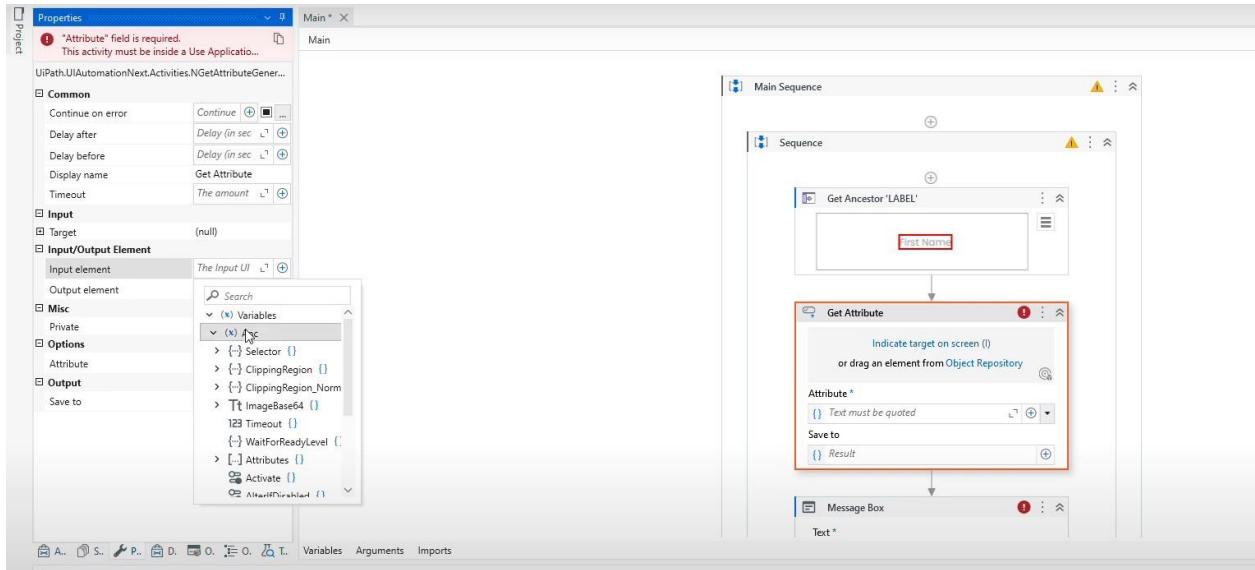
Step 7: Drag and drop the Get Attribute below the Ancestor.

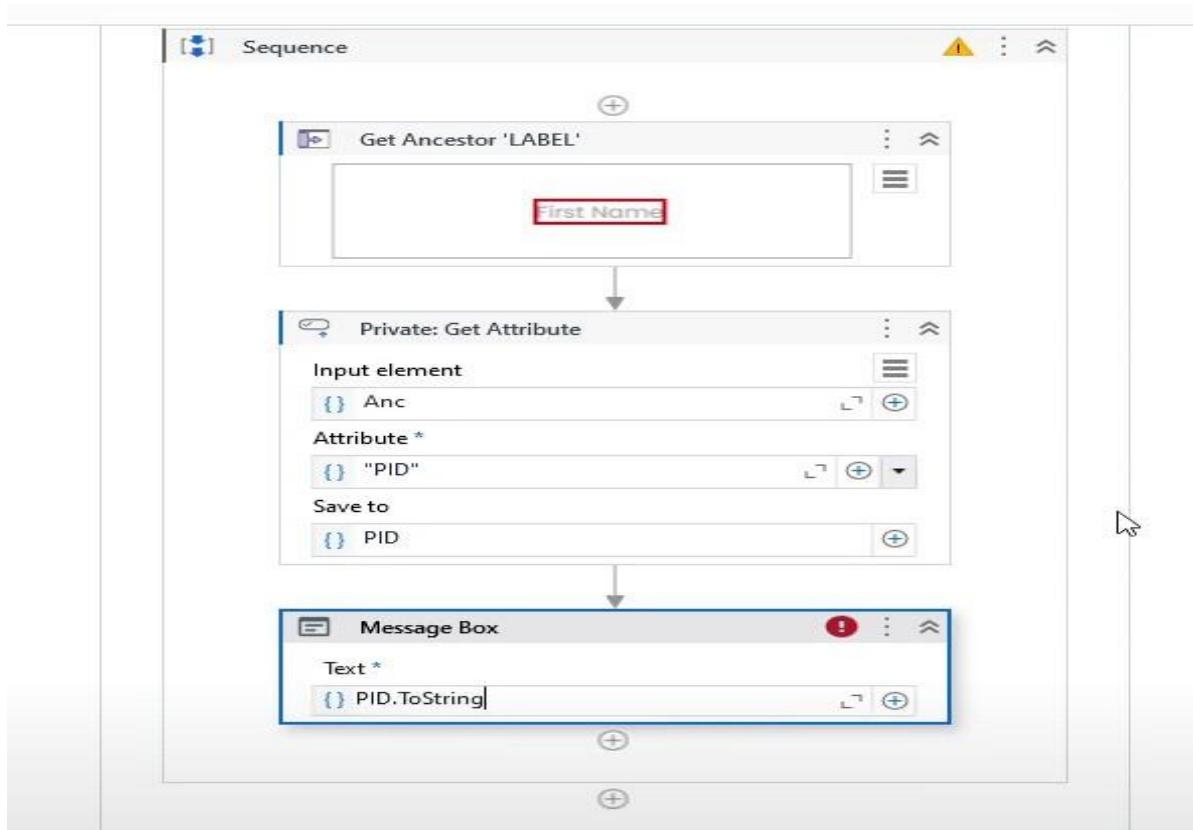
Step 8: Then go to Property of Get Attribute in input element choose anc variable.

Step 9: In Get Attribute property in output save to create variable PID using ctrl+K.

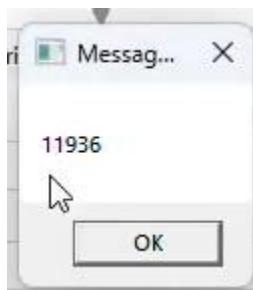
Step 10: Drag and drop the message box below the message box and write inside the message box write PID.ToString.

Step 11: Run the program.





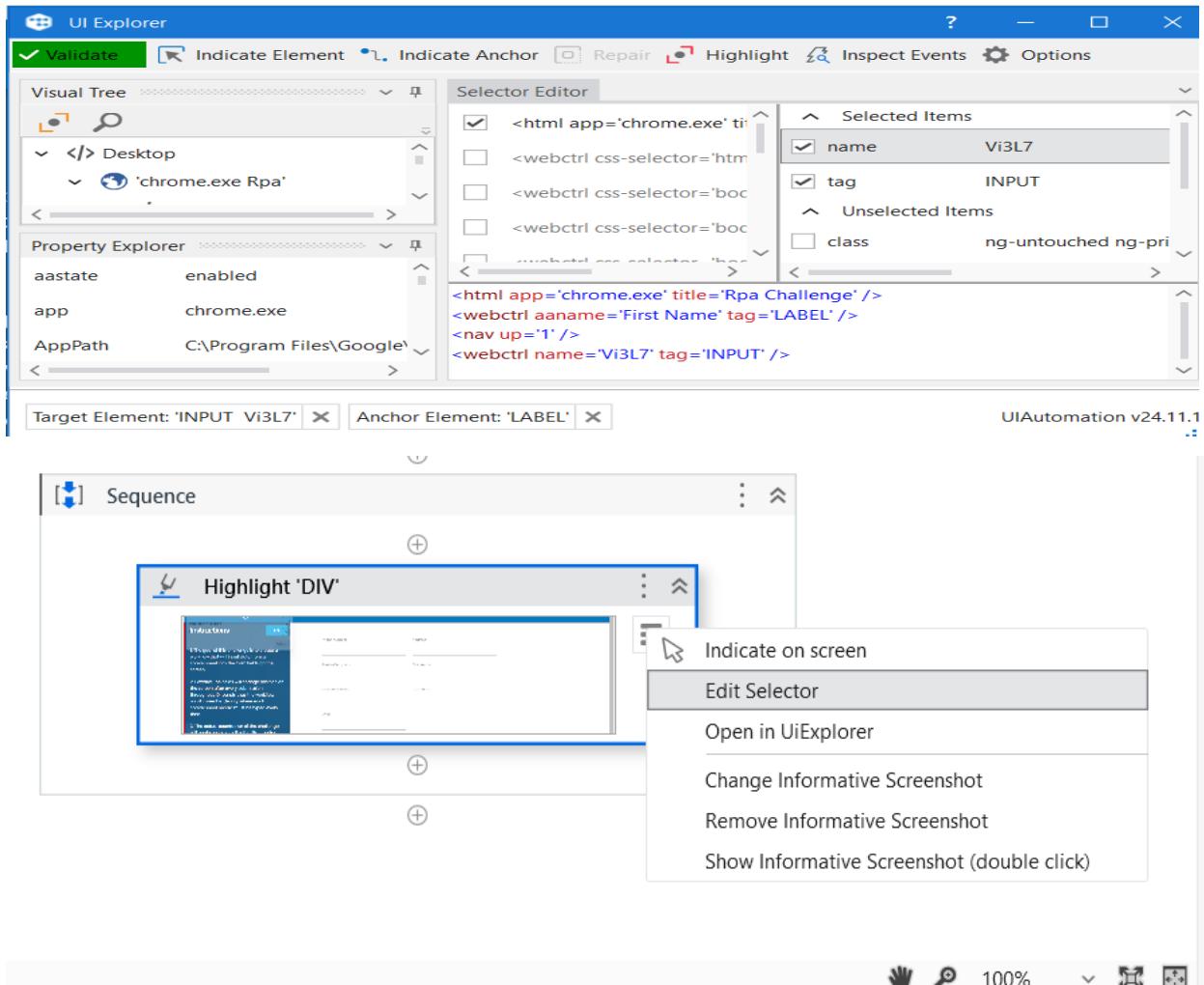
Output:



## Practical No: 5 F

### Aim: Use Find Relative control .

- Step 1: Open UiPath and create a new process and give it the proper name.
- Step 2: Open RPA challenge in chrome then go to uipath studio.
- Step 3: Drag and drop the sequence then click on Ui Explorer.
- Step 4: Click on Indicate Element and select first name space.
- Step 5: Click on Indicate Anchor and select first name.
- Step 6: Click on validate and uncheck the id and copy the code of explorer.
- Step 7: Minimize the explorer, drag and drop the Highlight and click on indicate window.
- Step 8: Select the full page of RPA challenge.
- Step 9: Right click on 3line of Highlight click on Edit Selector and paste the code and validate it.
- Step 10: Run the program.



Selector Editor

✓ Validate Indicate Element Repair Highlight

Edit Attributes

<input checked="" type="checkbox"/>	app, app	chrome.exe
<input checked="" type="checkbox"/>	title, title	Rpa Challenge
<input checked="" type="checkbox"/>	css-selector	body>app-root>div>app-rpa1>div
<input checked="" type="checkbox"/>	aaname	First Name
<input checked="" type="checkbox"/>	name	Vi3L7

Edit Selector

```
<html app='chrome.exe' title='Rpa Challenge' />
<webctrl css-selector='body>app-root>div>app-rpa1>div' tag='DIV' />
<html app='chrome.exe' title='Rpa Challenge' />
<webctrl aaname='First Name' tag='LABEL' />
<nav up='1' />
<webctrl name='Vi3L7' tag='INPUT' />
```

Input Forms   Shortest Path   Movie Search   Invoice Extraction   RPA S

Phone Number	Address
Role in Company	First Name
Company Name	Last Name
Email	
<b>SUBMIT</b>	

## Practical No: 6 A

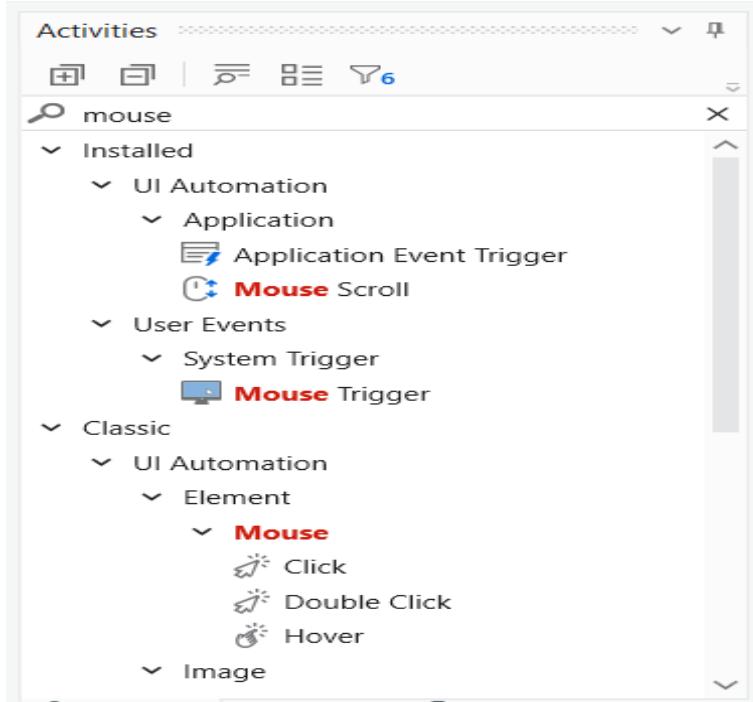
**Aim: Demonstrate the following activities in UiPath:**

### i. Mouse (click, double click and hover)

**Mouse (click, double click and hover):**

Step 1: Open UiPath and create a blank process with appropriate name.

Step 2: Then go to Activity panel and search mouse click then you will see the following image.

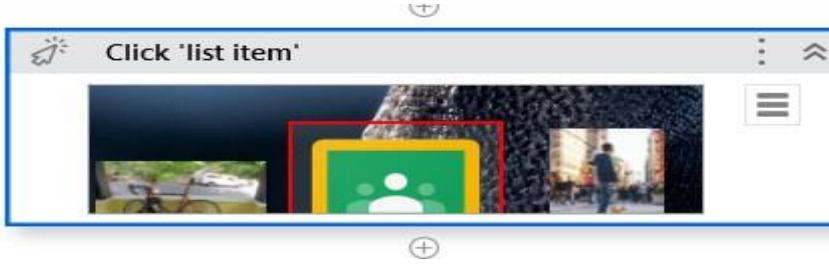
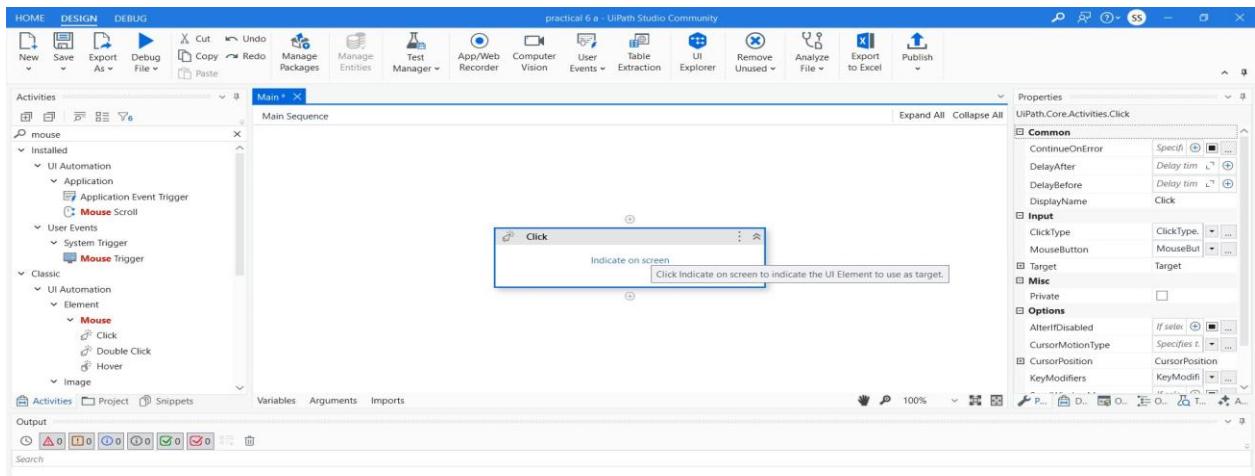


Step 3: For click drag and drop the “Click” activity .

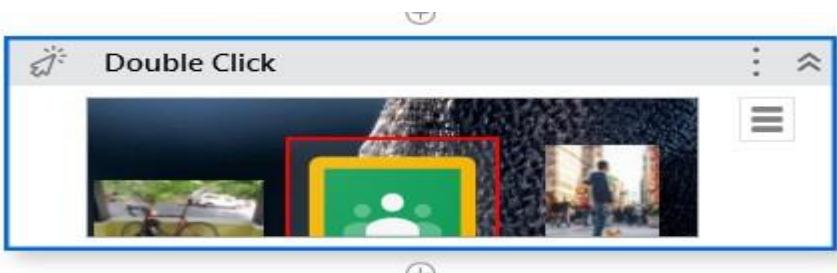
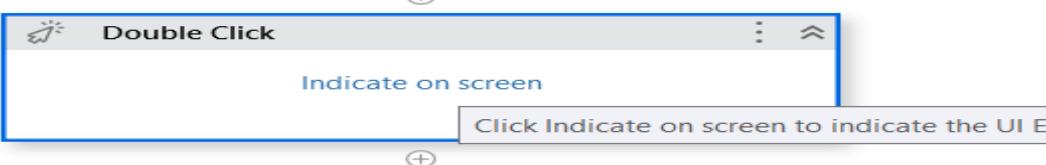
Step 4: Then click on indicate on screen.

Step 5: After that select one folder on screen.

Step 6: Then run the program.

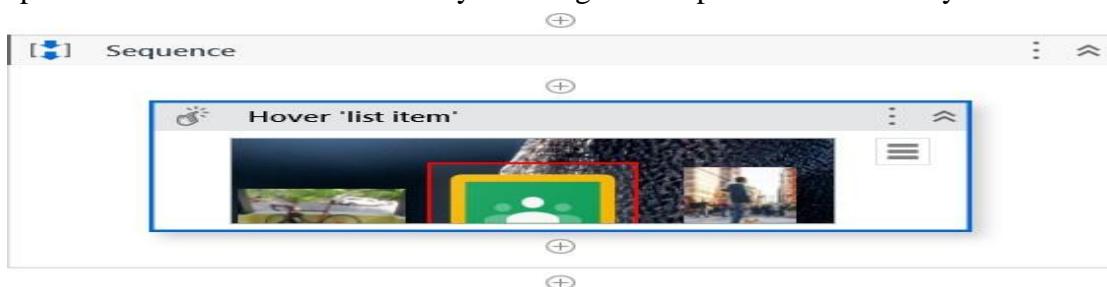


Step 7: Then delete the click activity and drag and drop the Double Click activity.



Step 8: Then Run the program.

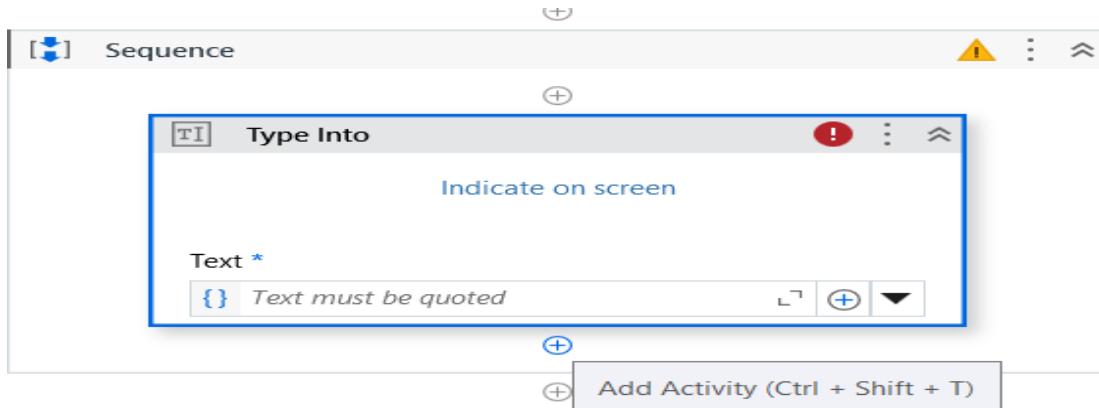
Step 9: Then delete the double activity and drag and drop the Hover activity.



## ii. Type into

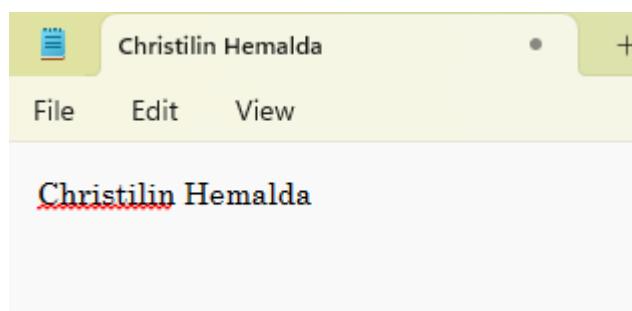
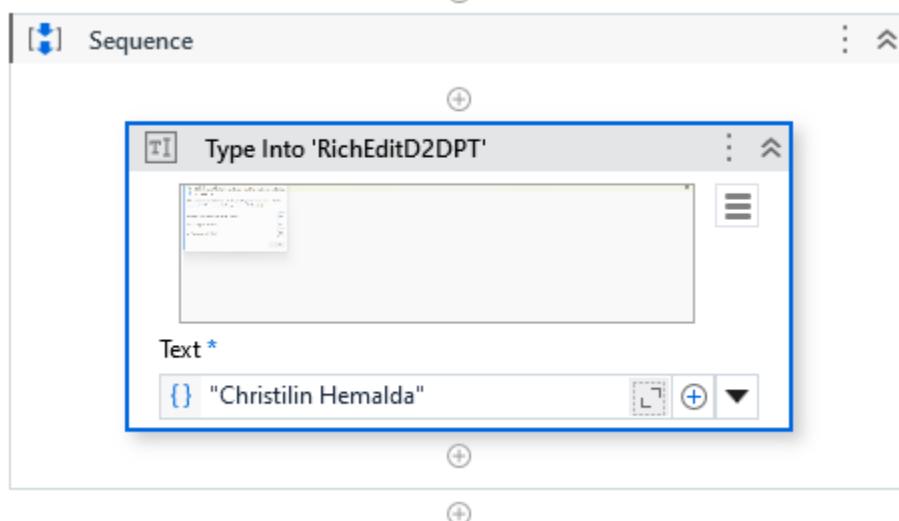
Step 1: Open UiPath and create blank process;

Step 2: Drag and drop the Type into activity inside the sequence.



Step 3: Click on indicate on screen and in the background open notepad click on notepad.

Step 4: In the Text\* box write your name and run the program.



### iii. Type Secure text

Step 1: Open UiPath and create a new process.

Step 2: Open the notepad in the backside.

Step 3: In UiPath drag and drop the Type Secure Text inside the sequence.

Step 4: Create a variable x and System.Security.SecureString variable type.

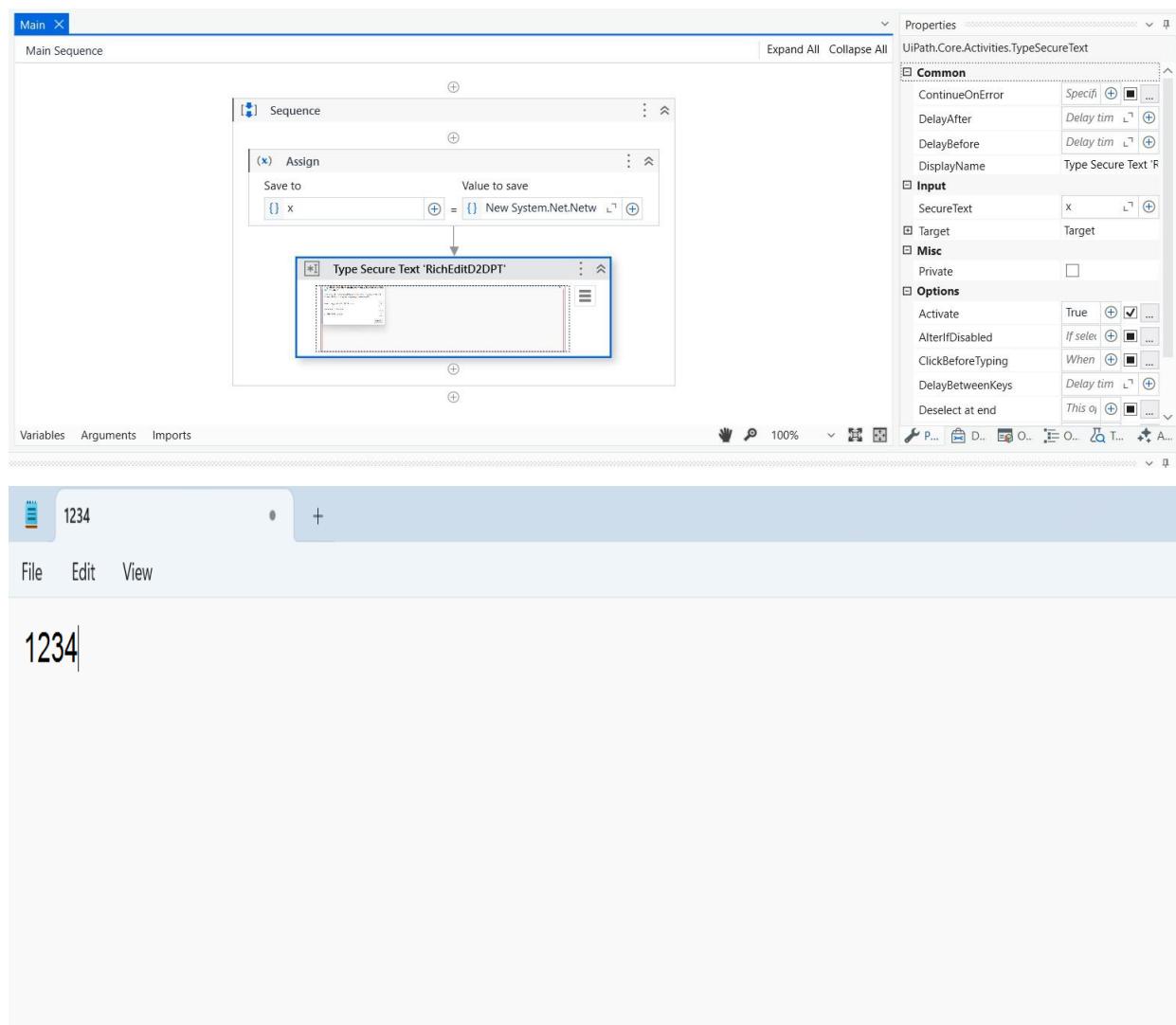
Step 5: Drag and drop the Assign activity above the Type Secure Text.

Step 6: In Assign activity save to give variable name x and In value to save write-> New System.Net.NetworkCredential("","1234").SecurePassword.

Step 7: In the property of Type Secure Text in secure text give x.

Step 8: In Type Secure Text click on Indicate on window and click on notepad.

Step 9: Run the program.



## **Practical No: 6 B**

**Aim:Demonstrate the following events in UiPath:**

**i.Element triggering event**

Step 1: Open Google and search RPA challenge.com .

Step 2: Open UiPath and create a new process.

Step 3: Drag and drop the Trigger Scope inside the sequence.

Step 4: Inside the Trigger box drag and drop the click event trigger.

Step 5: Click on indicate on screen.

Step 6: Now the RPA challenge page is open and click on submit button the click on validate and then click on confirm.

Step 7: Drag and drop the message box inside the sequence of Trigger Scope and write “your form is submitted successfully”.

Step 8: Run the program.

**Trigger Scope**

**Triggers**

**LOCAL TRIGGER**

**Click Event Trigger 'Submit'**

Mouse button: Left  
Trigger mode: Down  
 Block event  Include children

**Actions**

MonitorClickEventArgs  
args

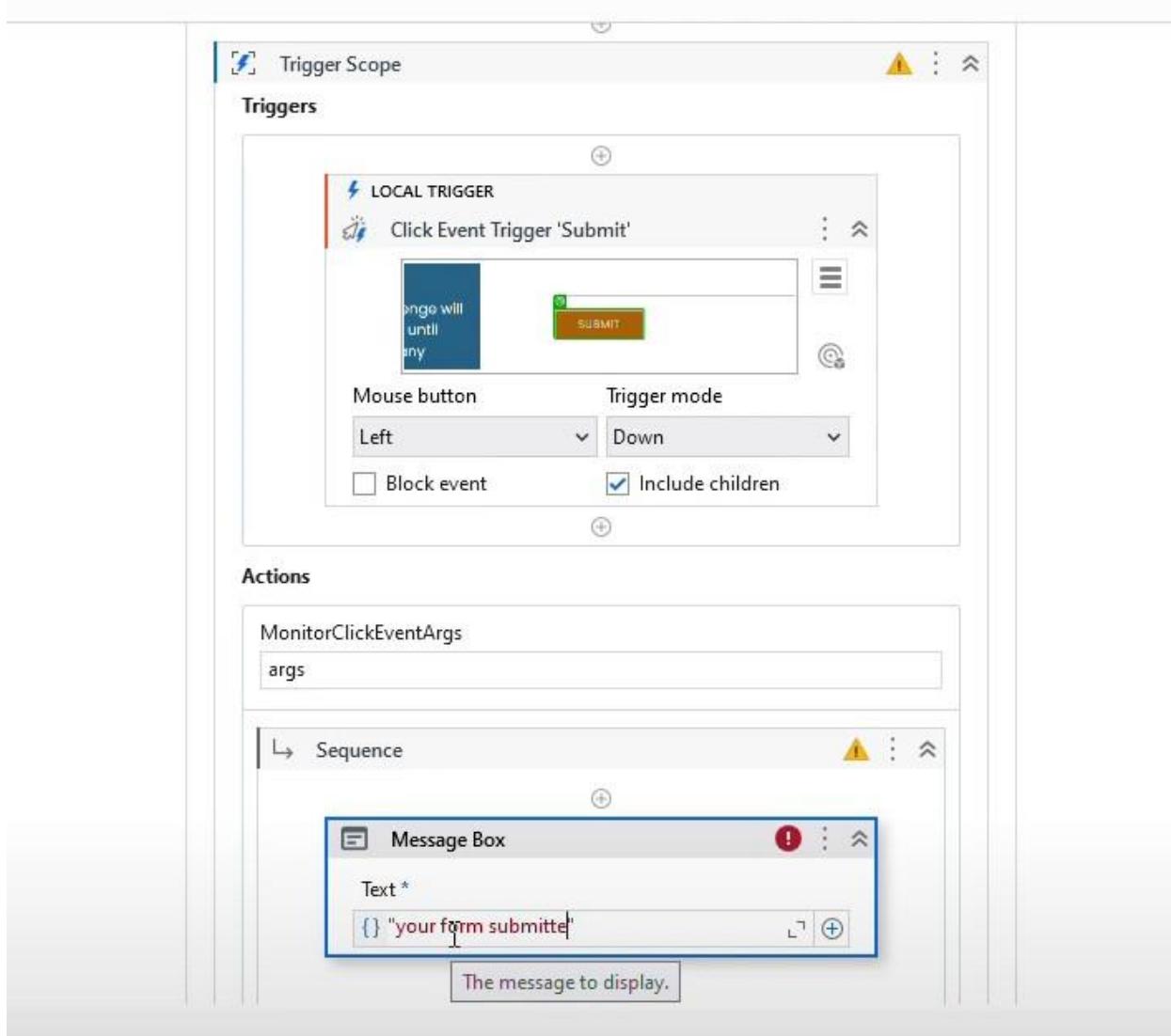
**Sequence**

**Message Box**

**Text \***

{ } "your form submitted"

The message to display.



## ii. Image triggering event.

Step 1: Open Google and search RPA image .

Step 2: Open UiPath and create a new process.

Step 3: Drag and drop the Trigger Scope inside the sequence.

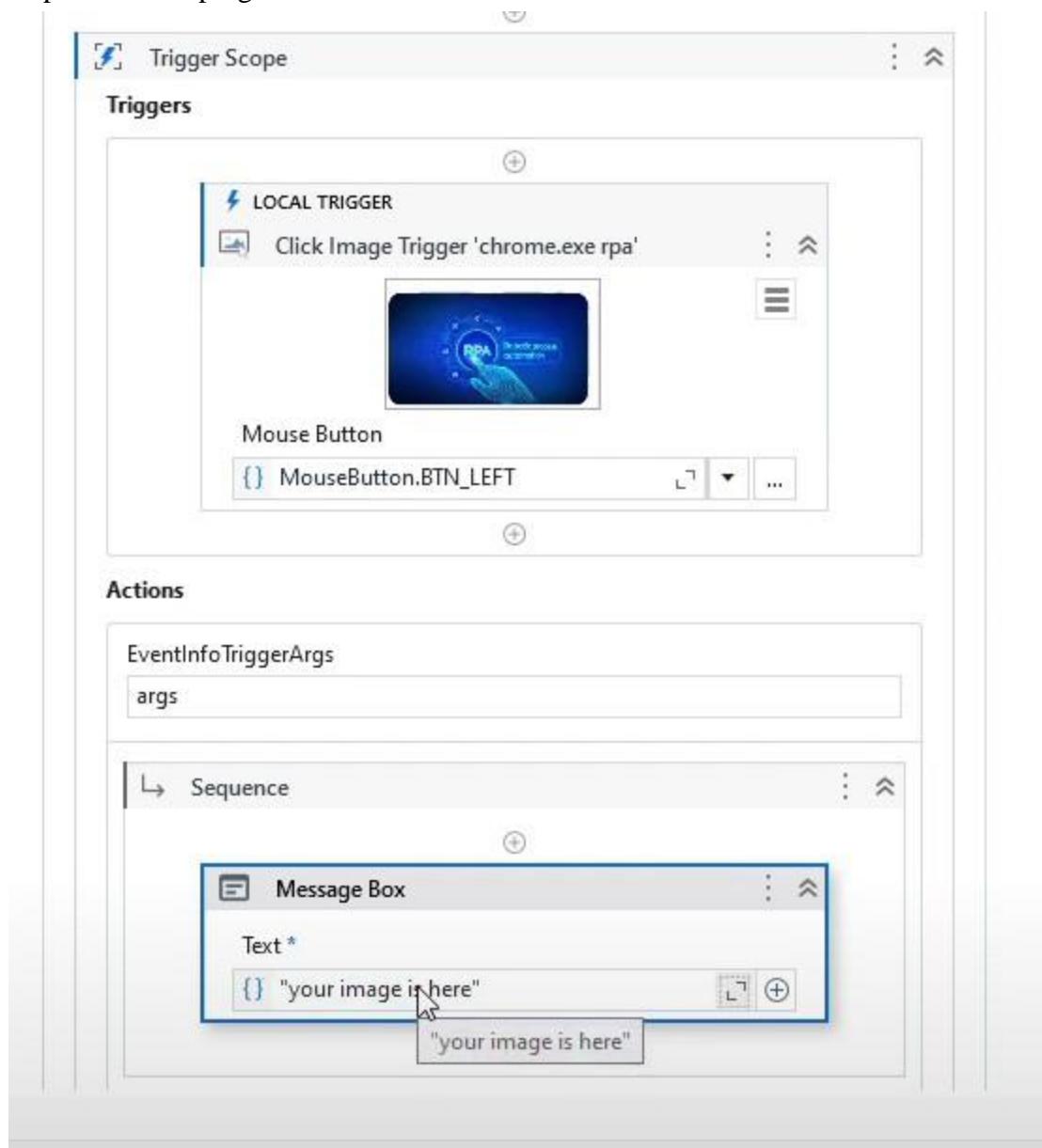
Step 4: Inside the Trigger box drag and drop the click image trigger.

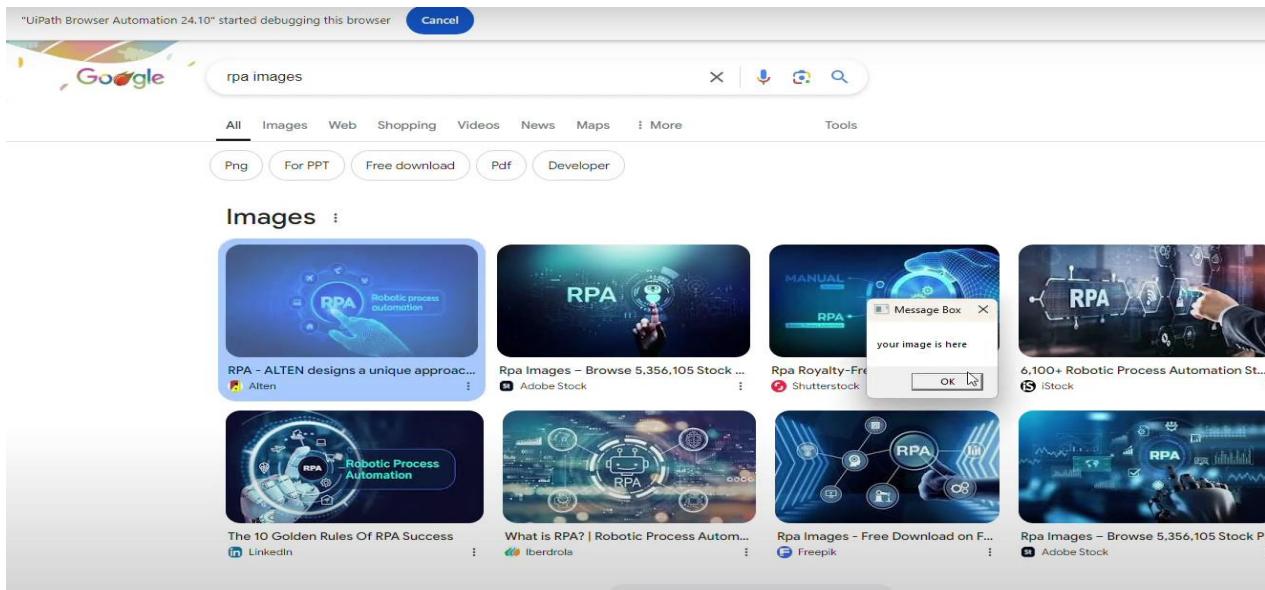
Step 5: Click on indicate on screen.

Step 6: Now the RPA image page is open then crop the image area.

Step 7: Drag and drop the message box inside the sequence of Trigger Scope and write “your image is here”.

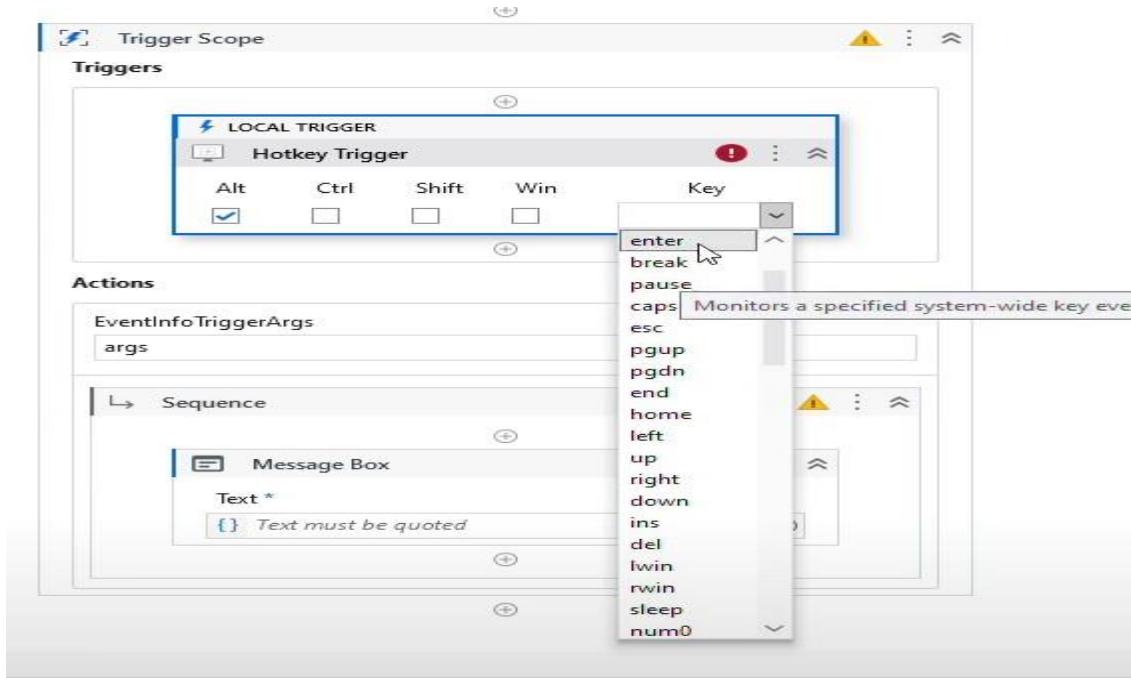
Step 8: Run the program.

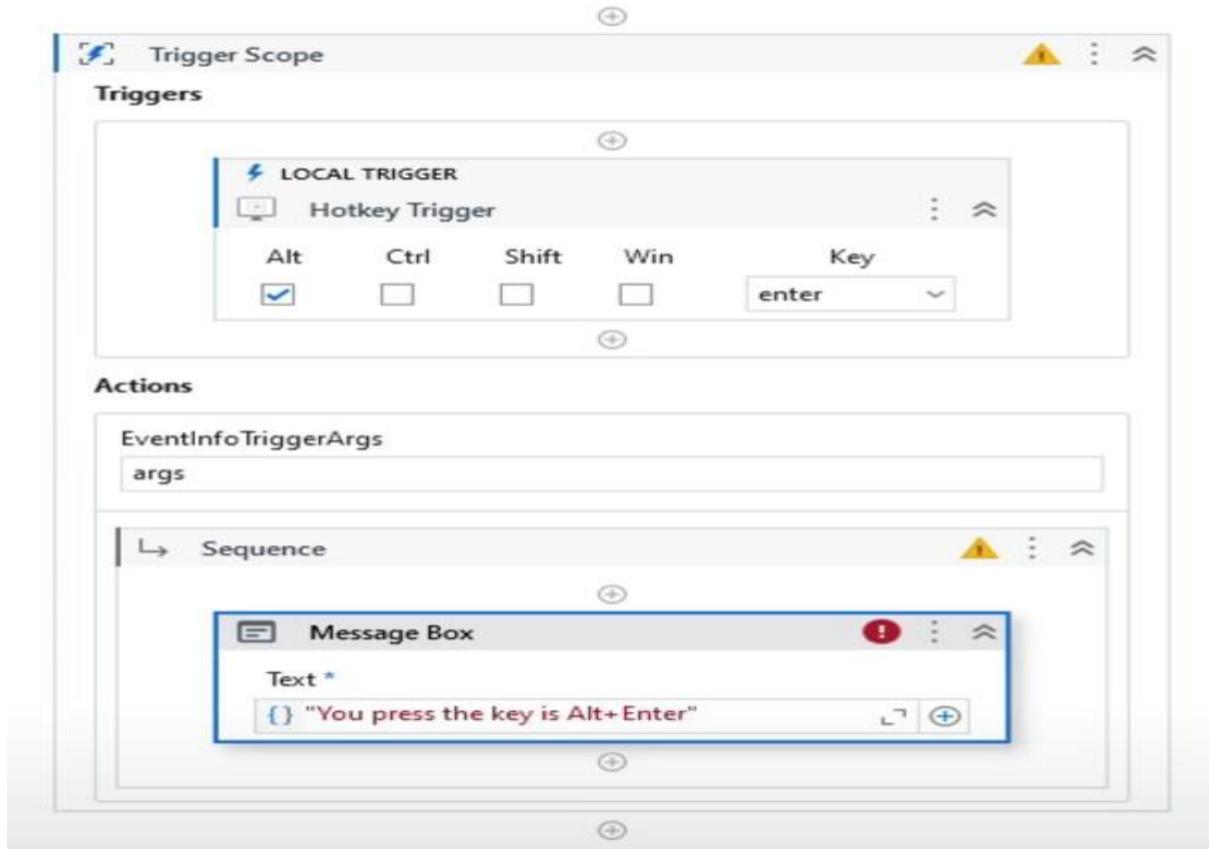




### iii. System Triggering Event

- Step 1: Open UiPath and create a new process.
- Step 2: Drag and drop the Trigger Scope inside the sequence.
- Step 3: Inside the Trigger box drag and drop the click Hotkey trigger.
- Step 4: In Hotkey trigger check alt box and choose enter key from the drop down.
- Step 5: Drag and drop the message box inside the sequence of Trigger Scope and write “you press the key alt+enter”.
- Step 6: Run the program.





After pressing the key you will see the output



## Practical No: 6 C

**Aim: Automate the process of launching an assistant bot on a keyboard event.**

Step 1: Open UiPath studio and create a new process.

Step 2: Drag and drop the Trigger scope inside the sequence.

Step 3: Drag and drop Hotkey inside the trigger box.

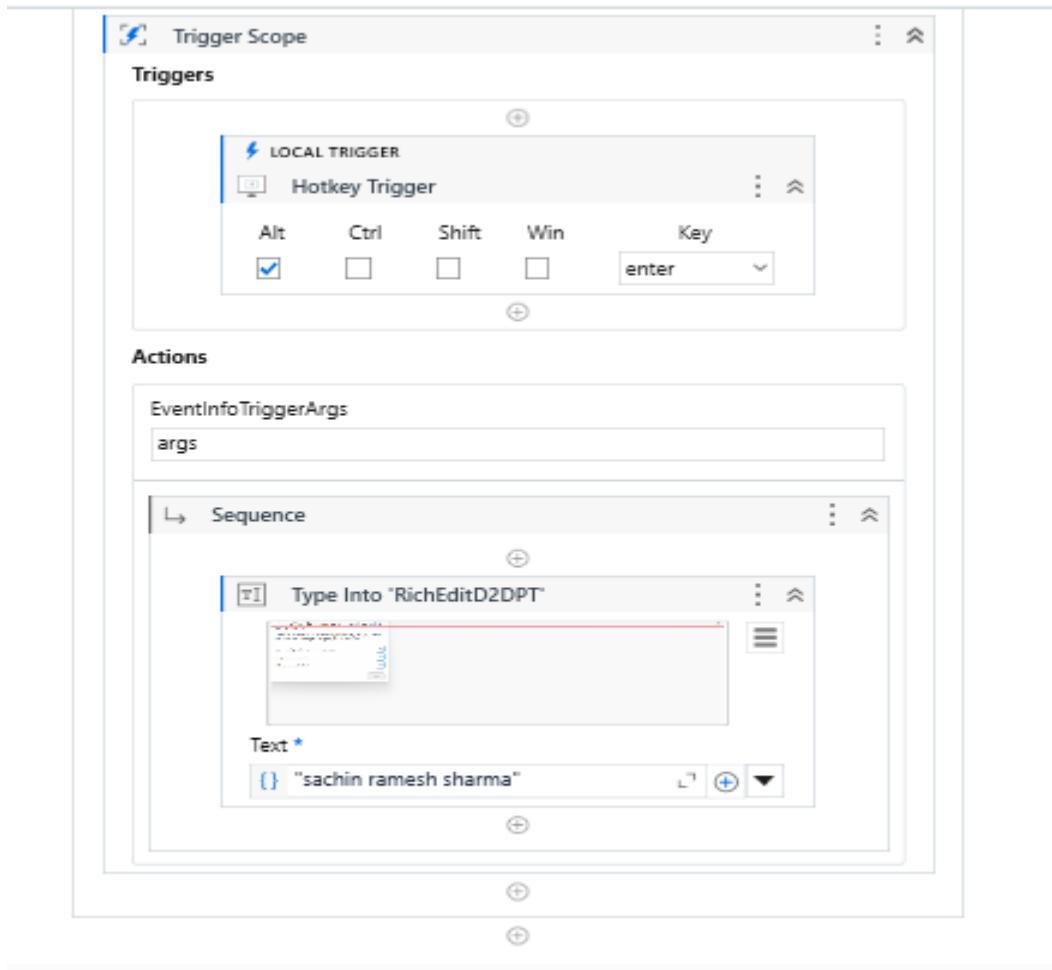
Step 4: In Hotkey select Alt and Enter button to perform action.

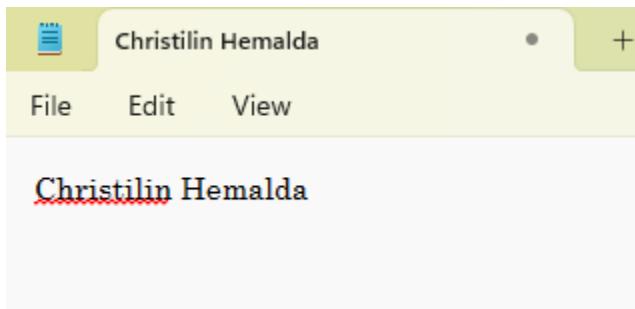
Step 5: Drag and drop the Type into activity inside the sequence of trigger scope.

Step 6: Click on indicate on screen of type into and ensure that a blank notepad will open.

Step 7: Choose the notepad and in uiopath in Type into Text\* type your name like “sachin ramesh sharma”.

Step 8: Run the program to see the output.





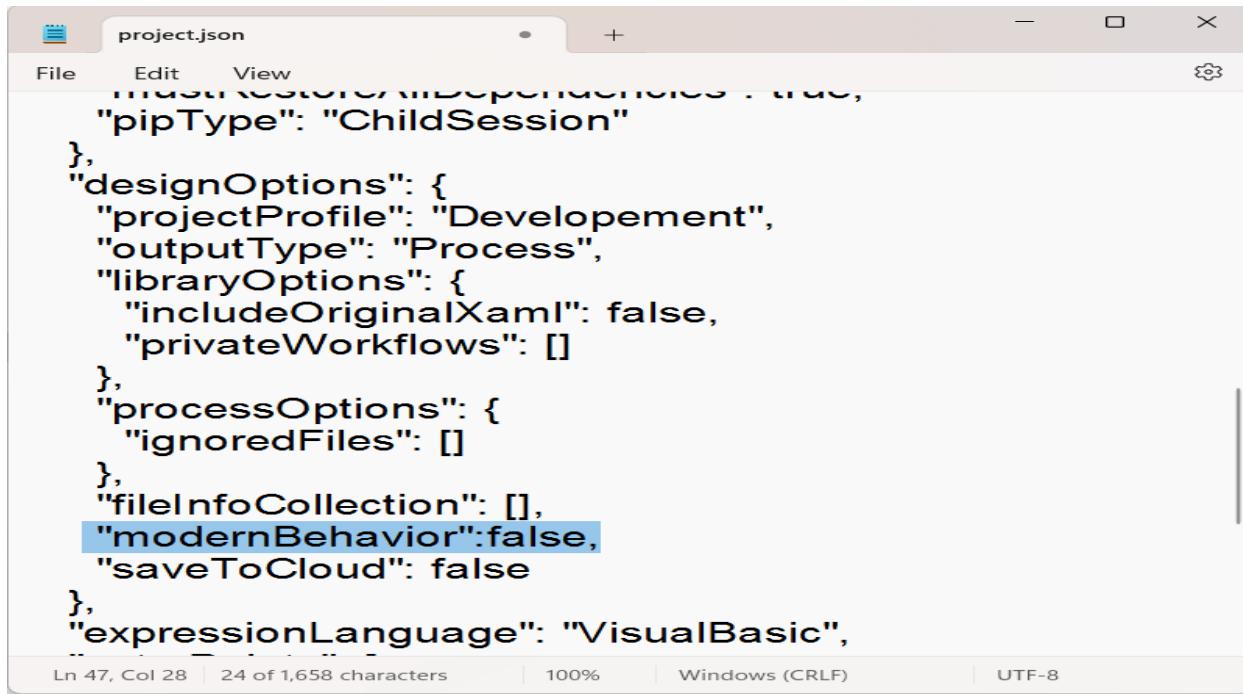
## Practical No: 7 A, B, C

**Aim: Automate the following screen scraping methods using UiPath:**

i) Full Text, ii)Native, iii)OCR.

Step 1: Create a blank process with the proper name like practical 7.

Step 2: Then close the UiPath and open the file of practical 7 were your file save in computer document folder and open the folder and open project.json file in notepad and write the line “modernBehavior”:false, below the file info collection”:[], and save the file.

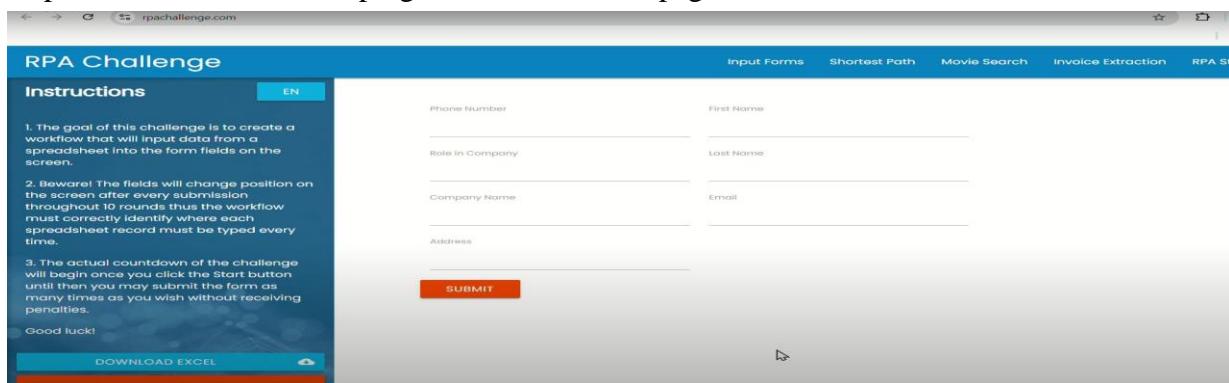


```
project.json
File Edit View
{
    "ui": {
        "uiMode": "Modern"
    },
    "pipType": "ChildSession"
},
"designOptions": {
    "projectProfile": "Development",
    "outputType": "Process",
    "libraryOptions": {
        "includeOriginalXaml": false,
        "privateWorkflows": []
    },
    "processOptions": {
        "ignoredFiles": []
    },
    "fileInfoCollection": [],
    "modernBehavior": false,
    "saveToCloud": false
},
"expressionLanguage": "VisualBasic",
}
Ln 47, Col 28 | 24 of 1,658 characters | 100% | Windows (CRLF) | UTF-8
```

Step 3: Close the Notepad and open Uipath and choose the created file now you will see the screen scraping.

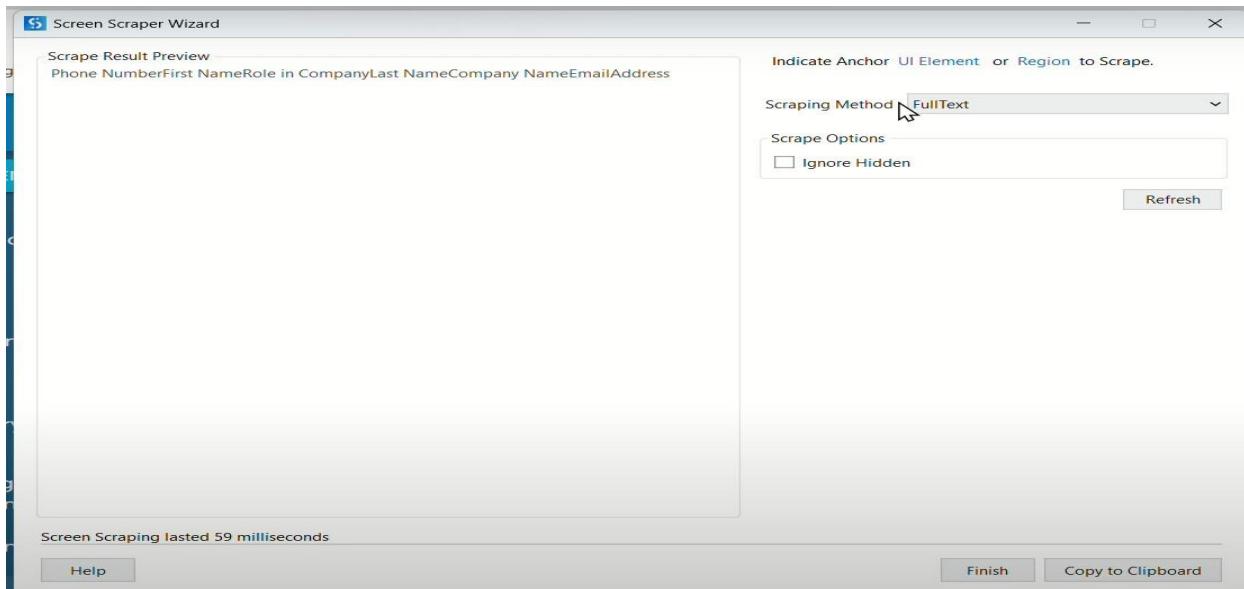
Step 4: At the background open the one website.

Step 5: Click on screen scraping and select the webpage.

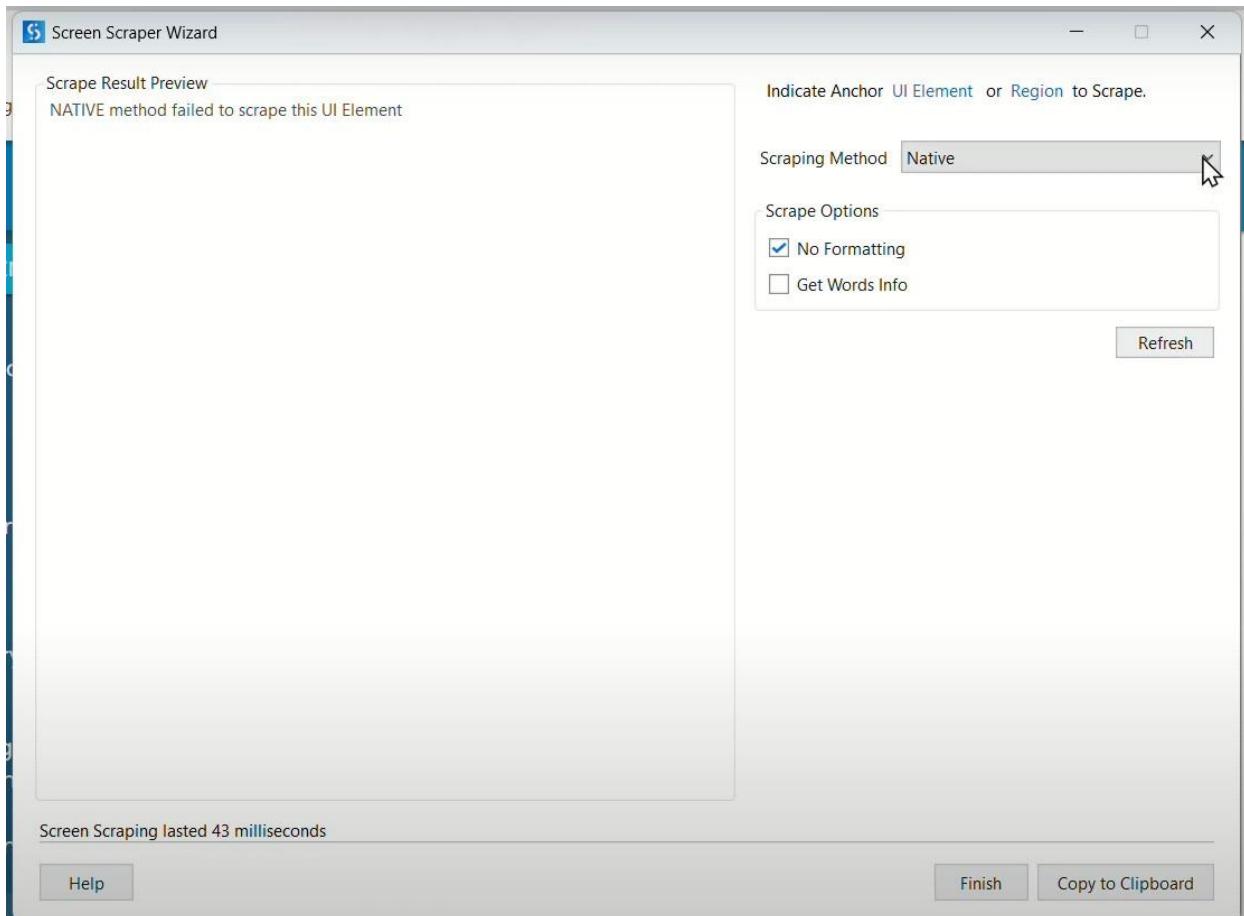


Step 6: Now you will see the one window is “screen scraper wizard”.

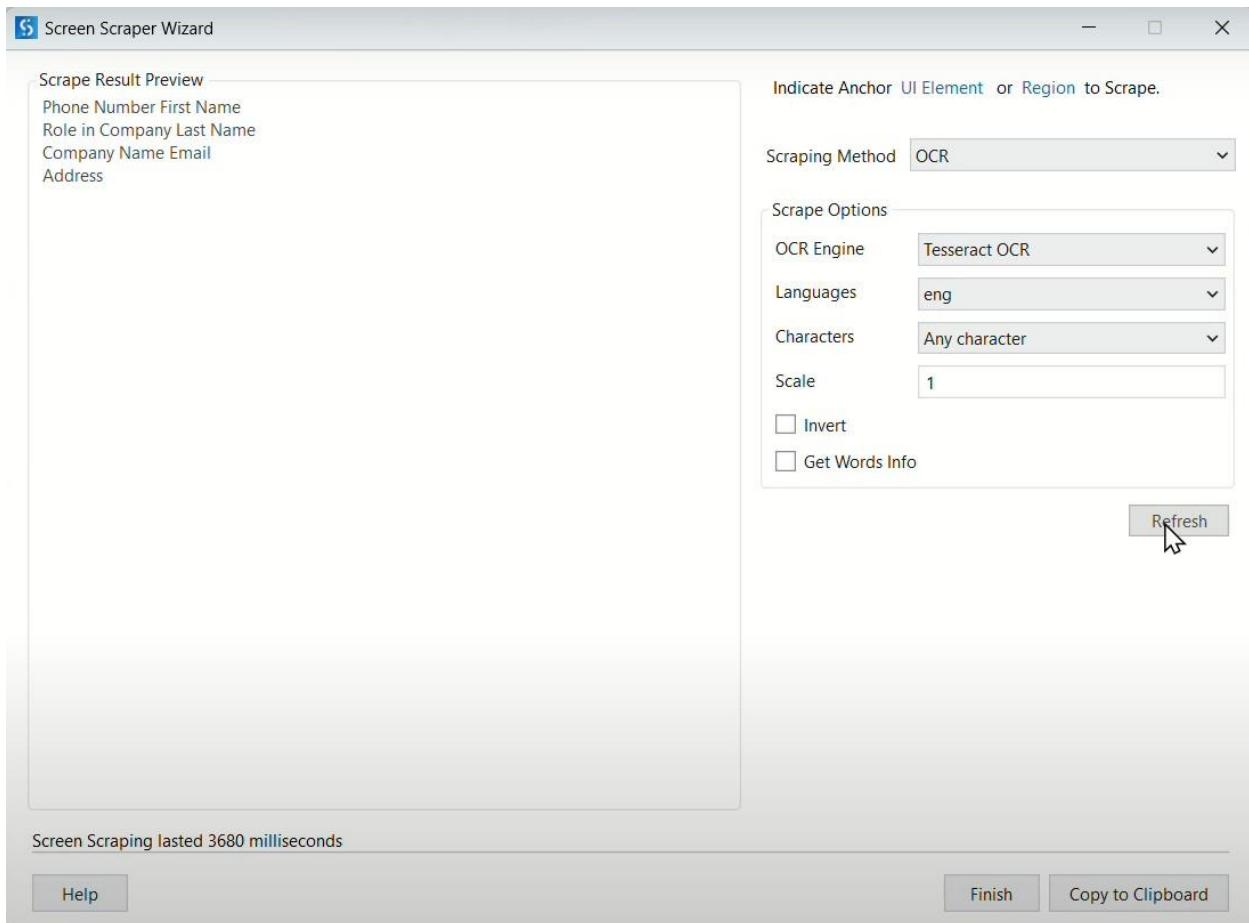
Step 7: By default the scraping method is Full Text.



Step 8: If you want to Native scraping the select Native from drop down of scraping method and click on refresh then you will see the Native screen scraping.



Step 9: If you want to OCR scraping then select OCR from drop down of scraping method and click on refresh then you will see OCR screen scraping.

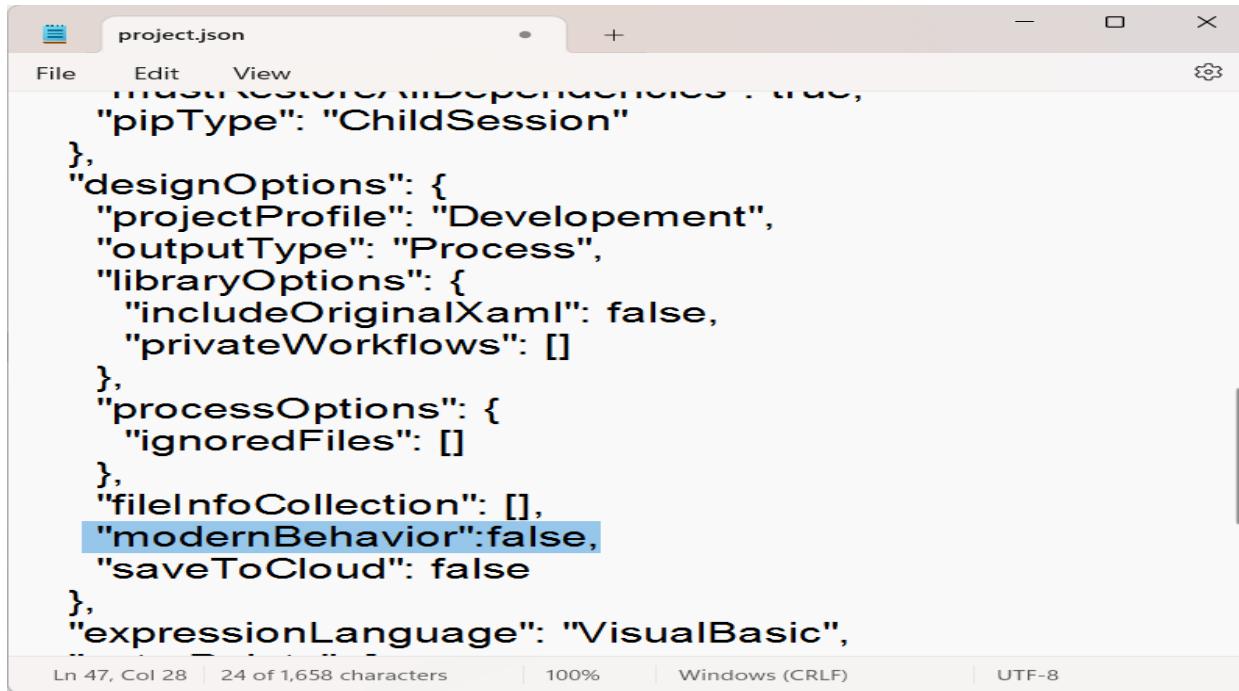


## Practical No: 7 D

**Aim: Demonstrate Data Scraping and display values in the Message box.**

Step 1: Create a blank process with the proper name like practical 7b data scrapping.

Step 2: Then close the UiPath and open the file of practical 7b data scrapping were your file save in computer document folder and open the folder and open project.json file in notepad and write the line “modernBehavior”:false, below the file info collection”:[], and save the file.



```
project.json
File Edit View
{
    "pipType": "ChildSession",
},
"designOptions": {
    "projectProfile": "Developement",
    "outputType": "Process",
    "libraryOptions": {
        "includeOriginalXaml": false,
        "privateWorkflows": []
    },
    "processOptions": {
        "ignoredFiles": []
    },
    "fileInfoCollection": [],
    "modernBehavior": false,
    "saveToCloud": false
},
"expressionLanguage": "VisualBasic",
}
Ln 47, Col 28 24 of 1,658 characters 100% Windows (CRLF) UTF-8
```

Step 3: Close the Notepad and open Uipath and choose the created file now you will see the screen scraping.

Step 4: In the background, open the one website of amazon and search the kids textbook and then copy the path of the website.

Step 5: Drag and drop the flowchart and expand the flowchart.

Step 6: Drag and drop sequence inside the flowchart and connect to the start node.

Step 7: Expand the sequence and drag and drop the Open Browser and in the URL\* box paste the Url of Amazon website.

Step 8: Then click on scraping->Data Scraping-Next.

Step 9: Then a new window opens on Amazon and selects the one textbook name then click on ok then select next textbook name then click on finish then click on “No”.

Step 10: Now you will see in UiPath one variable is created ExtractDataTable automatically then changes the scope recording to flowchart.

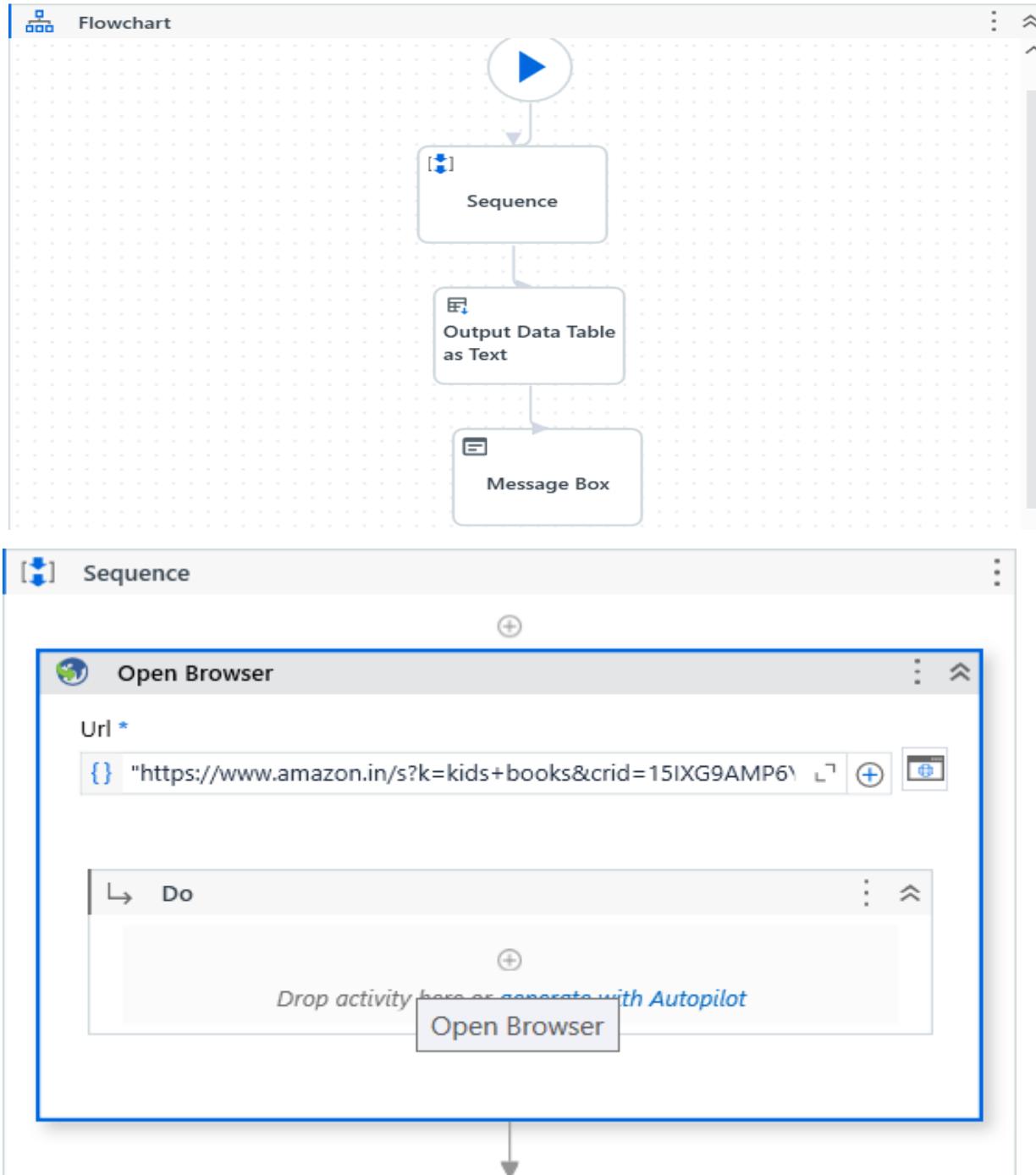
Step 11: Now minimize the sequence and go to activity and search Output Data Table as Text and connect to sequence.

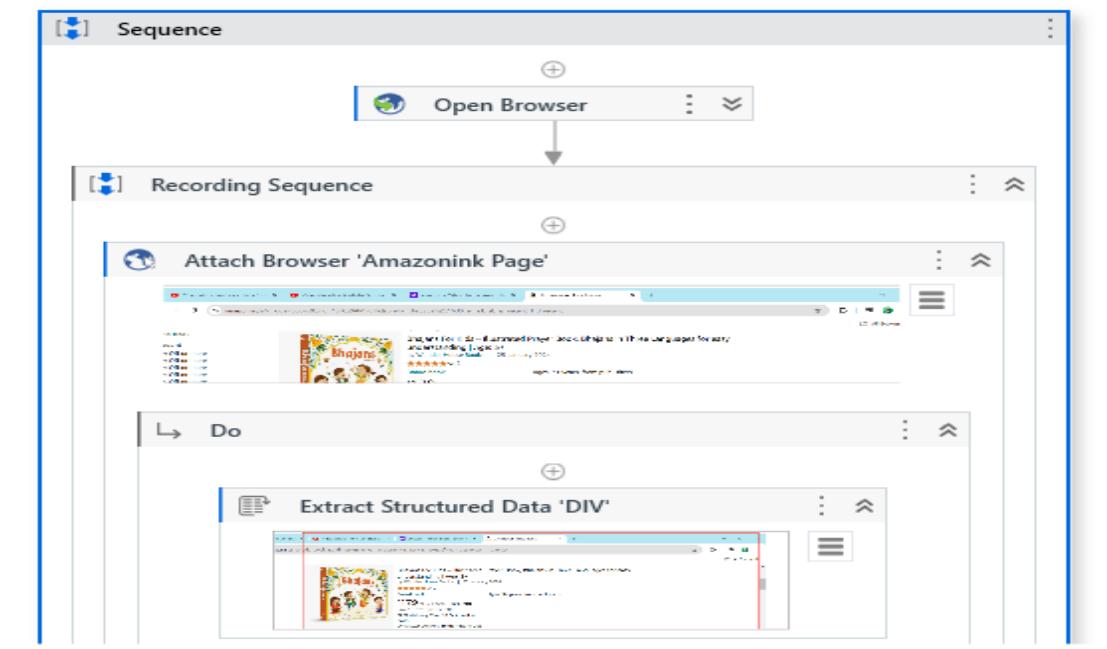
Step 12: Now drag and drop the message box and connect to Open Data Table as Text.

Step 13: Then create a one variable Result with string data type and write in message box as a result.

Step 14: Go to the property of OutPutDataTable and in the Text box give variable name result and in input -> DataTable give variable name is ExtractDataTable.

Step 15: Now finally Run the program to see output.





**Output Data Table as Text**

Data Table \*

{ } ExtractDataTable

**Properties**

UiPath.Core.Activities.OutputDataTable

**Common**

Output Data Table a

**Input**

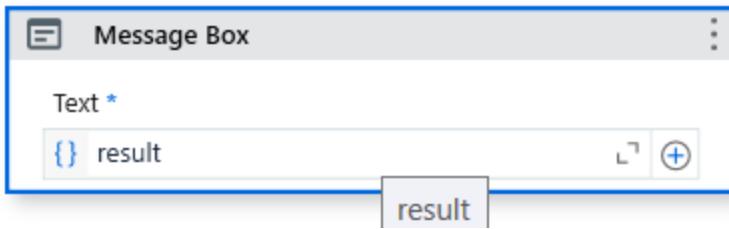
Data Table ExtractDataTable

**Misc**

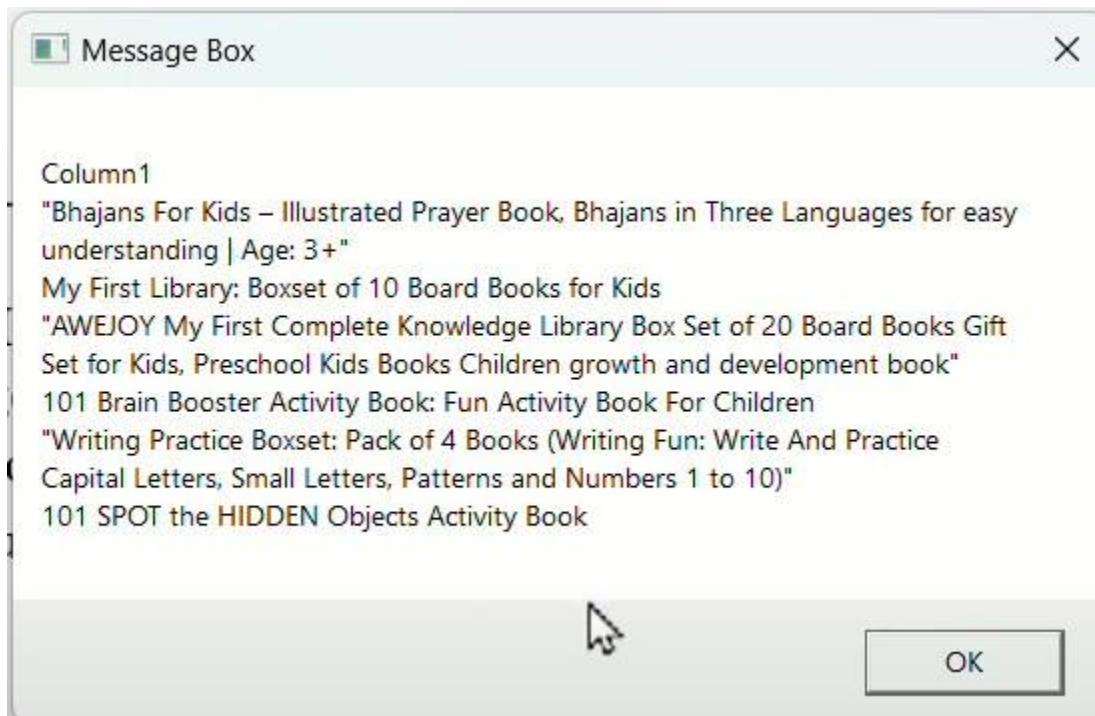
Private

**Output**

Text result



Output:



## Practical No: 7 E

**Aim: Demonstrate Screen Scraping for a pdf, web page and image file.**

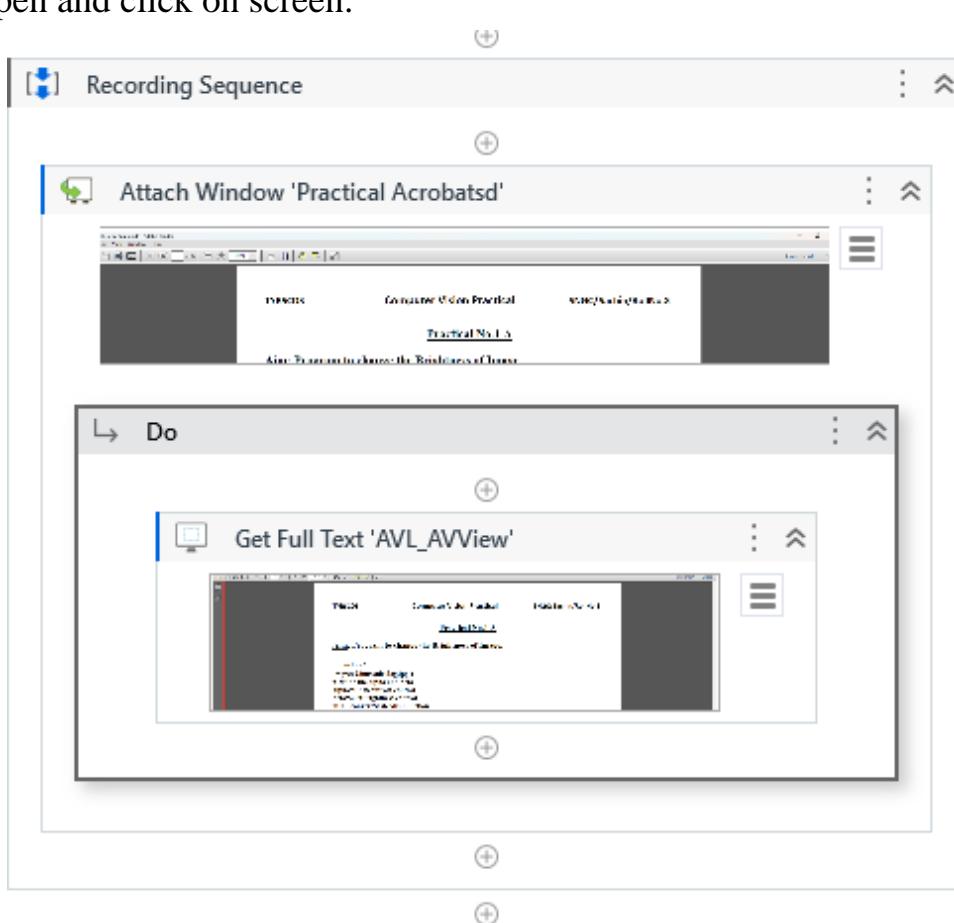
### For pdf

Step 1: Create a blank process with a name is practical 7.

Step 2: After the opening of process close the UiPath and go to the file of UiPath and choose the created file and open the project.json file and type "modernBehavior":false, below the "fileInfoCollection": [], and save the file.

Step 3: Close the notepad and open UiPath and open the practical 7 file.

Step 4: Now click on the screen scraping and in the background one PDF must be open and click on screen.



## Output:

The screenshot shows the 'Screen Scraper Wizard' application window. The title bar says 'Screen Scraper Wizard'. The main area is titled 'Scrape Result Preview' and contains the following text:

```
Practical No.1 A

Aim: Program to change the Brightness of Image.

import cv2
img=cv2.imread('dog.jpg')
#Define the alpha and beta
alpha=1.5 #contrast control
beta=20 #Brightness control
#Call convertScaleAbs Function
adjusted=cv2.convertScaleAbs(img, alpha=alpha, beta=beta)
#Display the output Image
cv2.imshow('Adjusted', adjusted)
cv2.waitKey()
cv2.destroyAllWindows()
cv2.imshow('Original', img)
```

To the right of the preview area, there are settings for 'Scraping Method' (set to 'FullText') and 'Scrape Options' (with a checked 'Ignore Hidden' checkbox). Below these are 'Refresh' and 'Copy to Clipboard' buttons. At the bottom of the preview area, it says 'Screen Scraping lasted 295 milliseconds'. At the very bottom of the window are 'Help', 'Finish', and 'Copy to Clipboard' buttons.

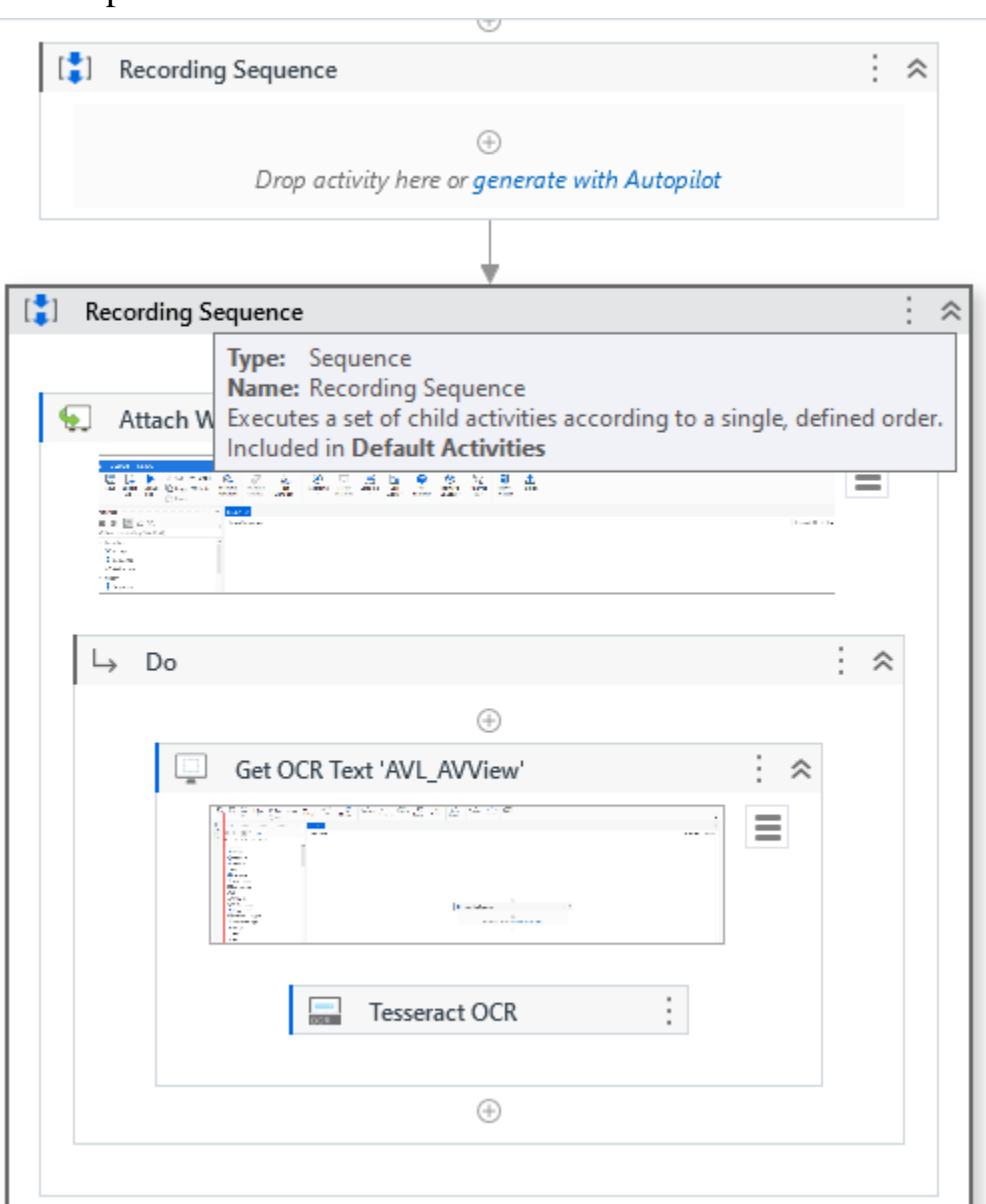
## For Image based:

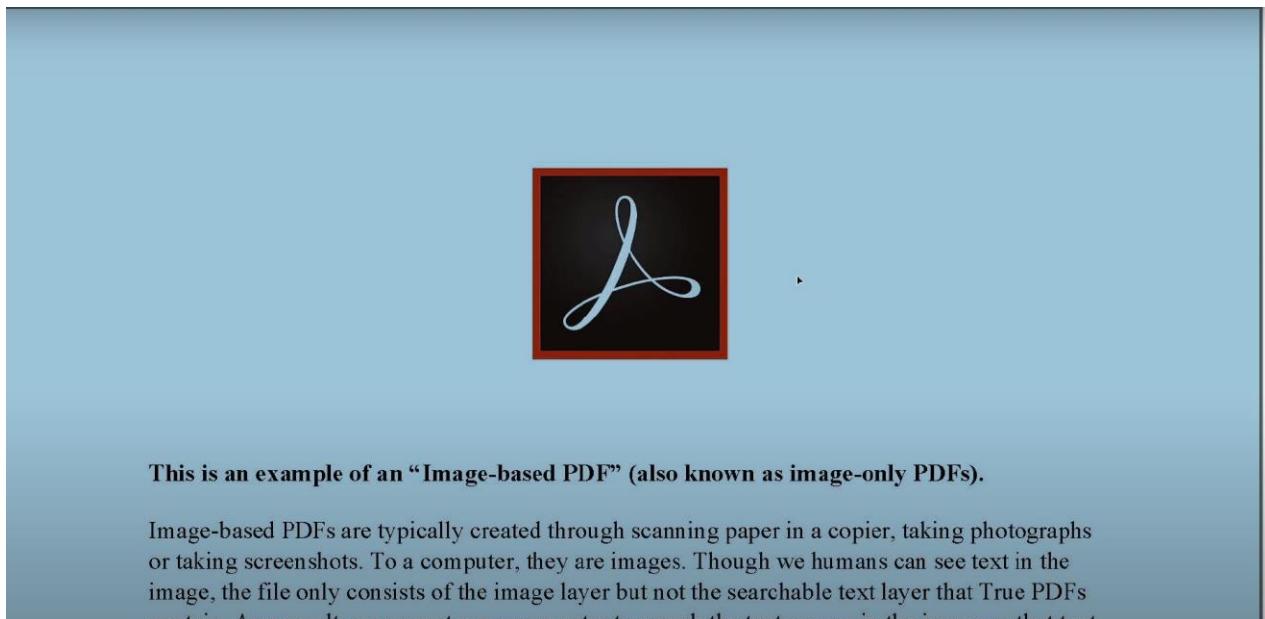
Step 1: Create a blank process with a name is practical 7.

Step 2: After the opening of process close the UiPath and go to the file of UiPath and choose the created file and open the project.json file and type "modernBehavior":false, below the "fileInfoCollection": [], and save the file.

Step 3: Close the notepad and open UiPath and open the practical 7 file.

Step 4: Now click on the screen scraping and in the background one image PDF must be open and click on screen.





Screen Scraper Wizard

Scrape Result Preview

This is an example of an “Image-based PDF” (also known as image-only PDFs).  
Image-based PDFs are typically created through scanning paper in a copier, taking photographs or taking screenshots. To a computer, they are images. Though we humans can see text in the image, the file only consists of the image layer but not the searchable text layer that True PDFs contain. As a result, we cannot use a computer to search the text we see in the image as that text

Indicate Anchor [UI Element](#) or [Region](#) to Scrape.

Scraping Method [OCR](#)

Scrape Options

OCR Engine [Tesseract OCR](#)

Languages [eng](#)

Characters [Any character](#)

Scale [1](#)

Invert

Get Words Info

Refresh

< >

Screen Scraping lasted 10516 milliseconds

Help Finish Copy to Clipboard

## Web based:

Step 1: Create a blank process with a name is practical 7.

Step 2: After the opening of process close the UiPath and go to the file of UiPath and choose the created file and open the project.json file and type

"modernBehavior":false, below the "fileInfoCollection": [], and save the file.

Step 3: Close the notepad and open UiPath and open the practical 7 file.

Step 4: Now click on the screen scraping and in the background one web page must be open and click on screen.

RPA Challenge

Instructions EN

1. The goal of this challenge is to create a workflow that will input data from a spreadsheet into the form fields on the screen.

2. Beware! The fields will change position on the screen after every submission throughout 10 rounds thus the workflow must correctly identify where each spreadsheet record must be typed every time.

3. The actual countdown of the challenge will begin once you click the Start button until then you may submit the form as many times as you wish without receiving penalties.

Good luck!

DOWNLOAD EXCEL

START

Phone Number Address

First Name Email

Last Name Company Name

Role in Company

SUBMIT

Screen Scraper Wizard

Scrape Result Preview

Instructions El  
naic ic company  
This goal of this challenge is to create a workflow that will input data from a spreadsheet into the form fields on the cemoany sane fosrese  
screen.  
Beware! The fields will change position on Lest Narre "hoe Hurvoer  
the screen after every submission  
throughout 10 rounds thus the workflow must ——M  
correctly identify where each spreadsheet First Nae  
record must be typed every time. —nian ramesh sharma  
3. The actual countdown of this challenge will  
begin once you click the Start button until  
then you may submit the form as many  
times as you wish without receiving  
penalties.

Good luck!  
[IS 20 C3  
START  
Lifer HaLoo-0CcB2@B 3 EEA A&G me MENG  
SSS HHHGHSSH>SSSS

Indicate Anchor UI Element or Region to Scrape.

Scraping Method: OCR

Scrape Options

OCR Engine: Tesseract OCR

Languages: eng

Characters: Any character

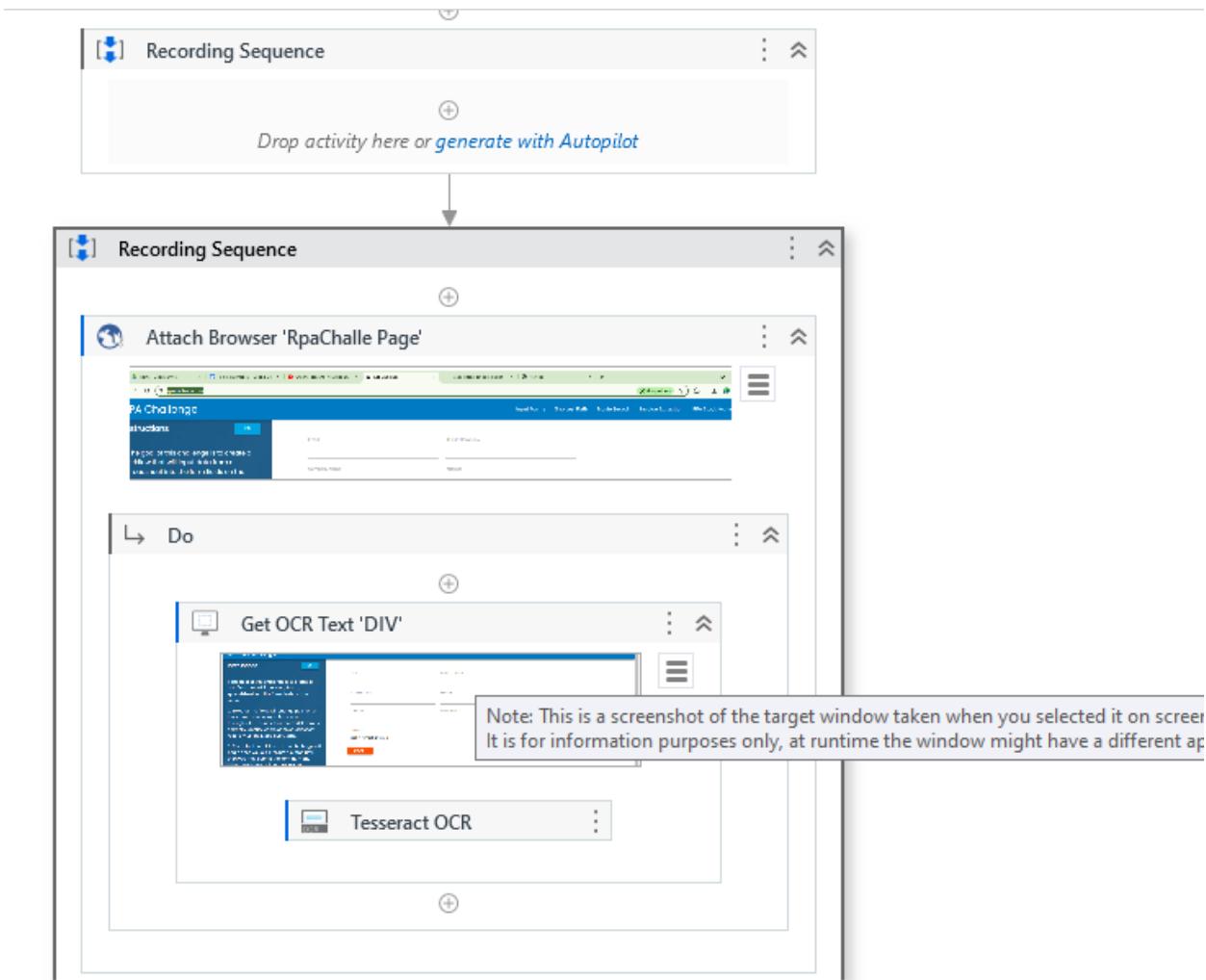
Scale: 1

Invert  
 Get Words Info

Refresh

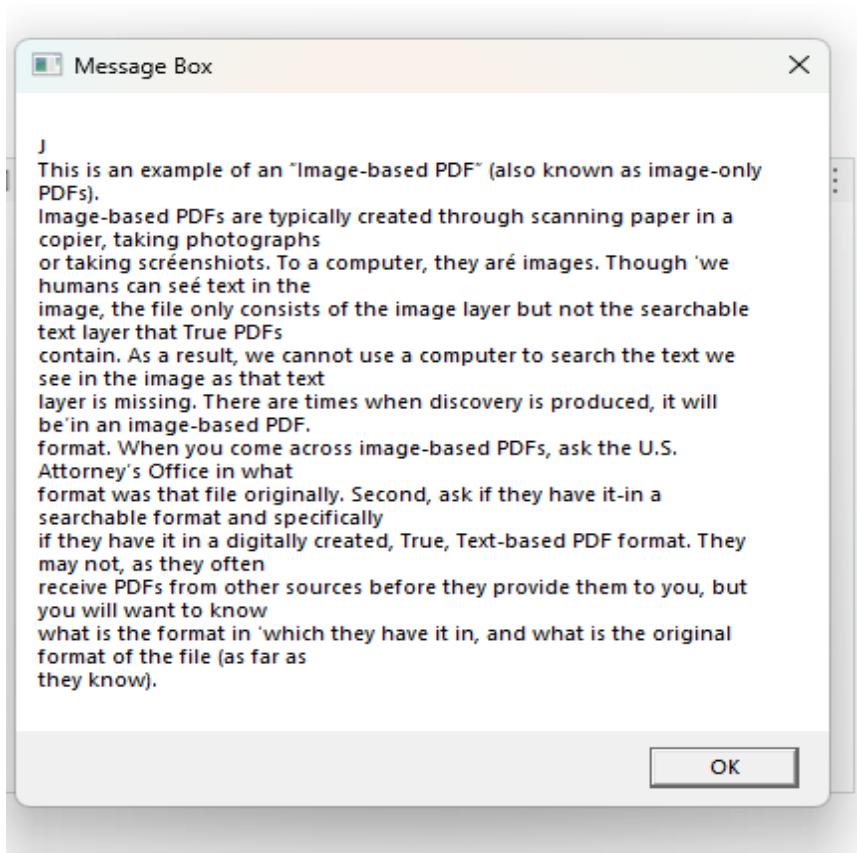
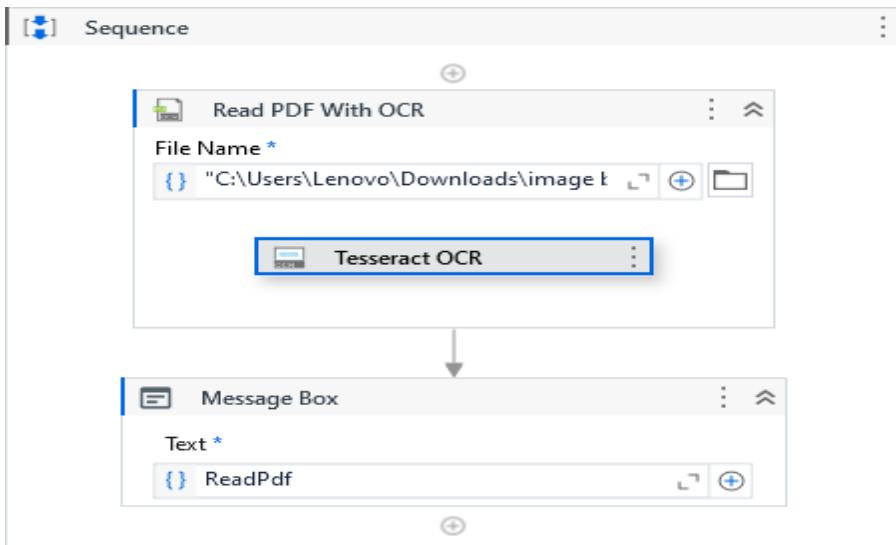
Screen Scraping lasted 18647 milliseconds

Help Finish Copy to Clipboard



## Practical 8 A

Aim:Read PDF With OCR,



## Practical No: 8 B

### Aim: Merge PDFs into one

Step 1: Create a blank process with proper name.

Step 2: Drag and drop the sequence and go to manage package then go to All package and search UiPathPdf activities and install the package and save the file.

Step 3: Go to the activity panel and search JoinPdf and drag inside the sequence.

Step 4: Create a Pdf\_file variable name with array string data type.

Step 4: Drag and drop the Assign activity above the join PDF files.

Step 5: Create a four PDF and copy the path of all PDF and paste in Assign set value.

Like this format:

```
{"C:\Users\Lenovo\Downloads\merge\city.pdf","C:\Users\Lenovo\Downloads\merge\college.pdf","C:\Users\Lenovo\Downloads\merge\name.pdf","C:\Users\Lenovo\Downloads\merge\class.pdf"}
```

Step 6: In Assign activity save to box write variable name pdf\_file.

Step 7: Then go to the property of join PDF file and in OutputFileName give the folder path and at the end of path give new file name. And in result give variable name Pdf\_file.

Step 8: Now run the program.

The screenshot shows the UiPath Sequence editor. A 'Sequence' activity is at the top. Inside it, an 'Assign' activity is connected to a 'Join PDF Files' activity. The 'Assign' activity has 'Save to' set to 'Pdf\_file' and 'Value to save' set to an expression: `{"C:\Users\Lenovo\Downloads\merge\"}`. The 'Join PDF Files' activity has 'Output File Name' set to `"C:\Users\Lenovo\Downloads\merge\"`. Below the sequence, a table shows the variable 'Pdf\_file' with 'Variable type' as 'String[]', 'Scope' as 'Main Sequence', and 'Default' as 'Enter a VB expression'.

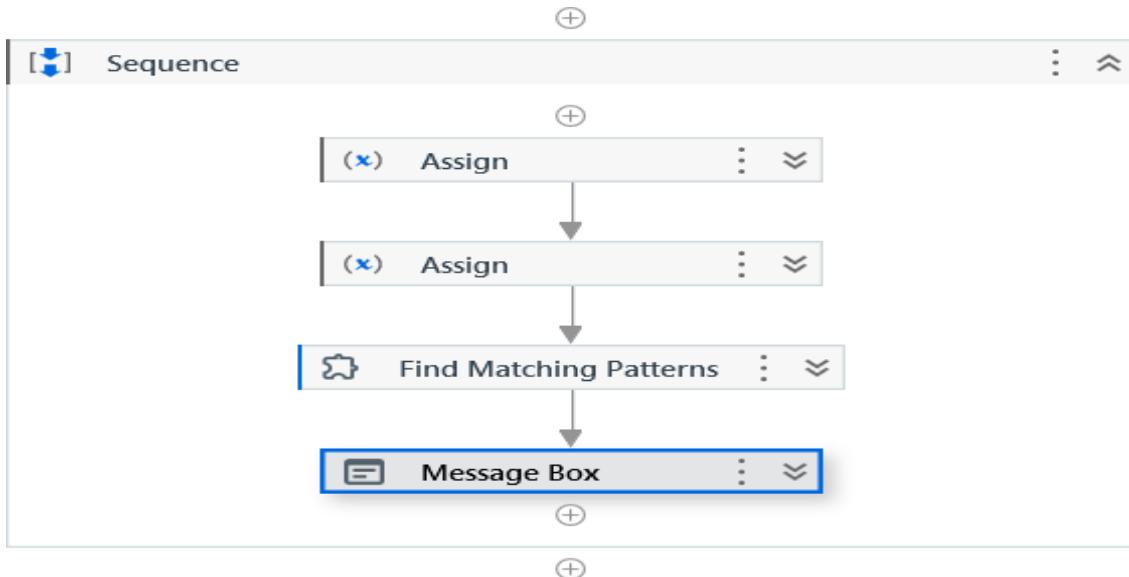
	Variable type	Scope	Default
Pdf_file	String[]	Main Sequence	Enter a VB expression

## Practical No: 8 C

### Aim: Get PDF Total Page count Using Regex.

Step 1: Create a blank process with proper name.

Step 2: Drag and drop following in the sequence.



Step 3: Expand first Assign and create variable inside the save to is Reader with StreamReader data type and in value to save write and copy the path of PDF of your desktop.

```
New StreamReader("C:\Users\Sachin\Downloads\Computer Vision Textbook (1).pdf")
```

Step 4: In the second Assign in save to create variable ctrl+l is PdfText with string data types.

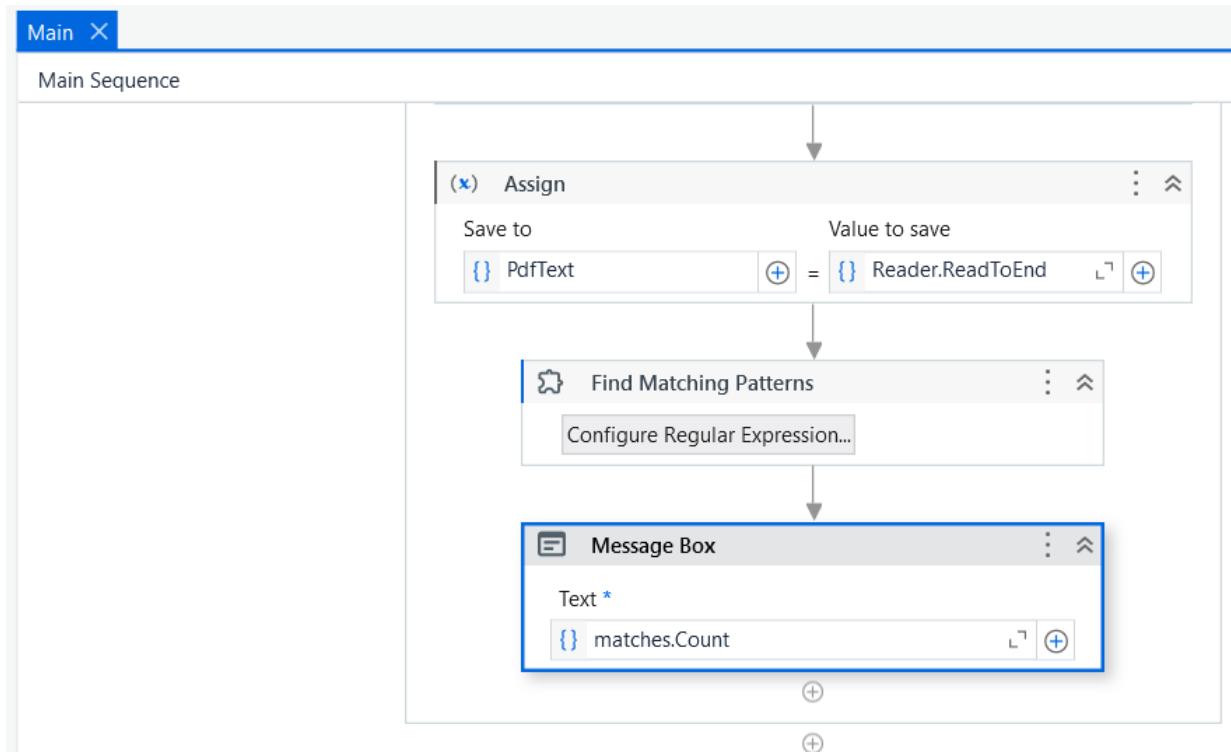
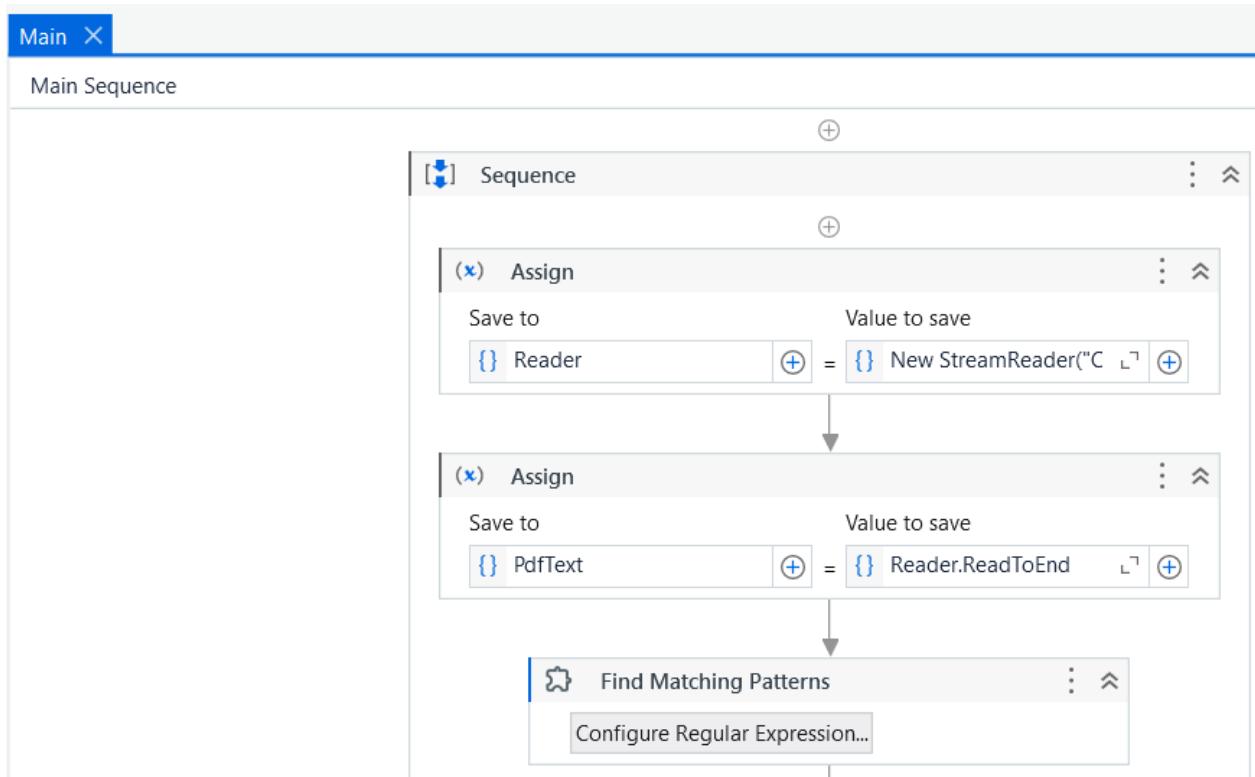
Step 5: Now Open Find Matching Pattern go to property and in the pattern write

"/Type\s\*/Page[^s]" and in Text to Search in write PdfText variable name and in Result create variable matches.

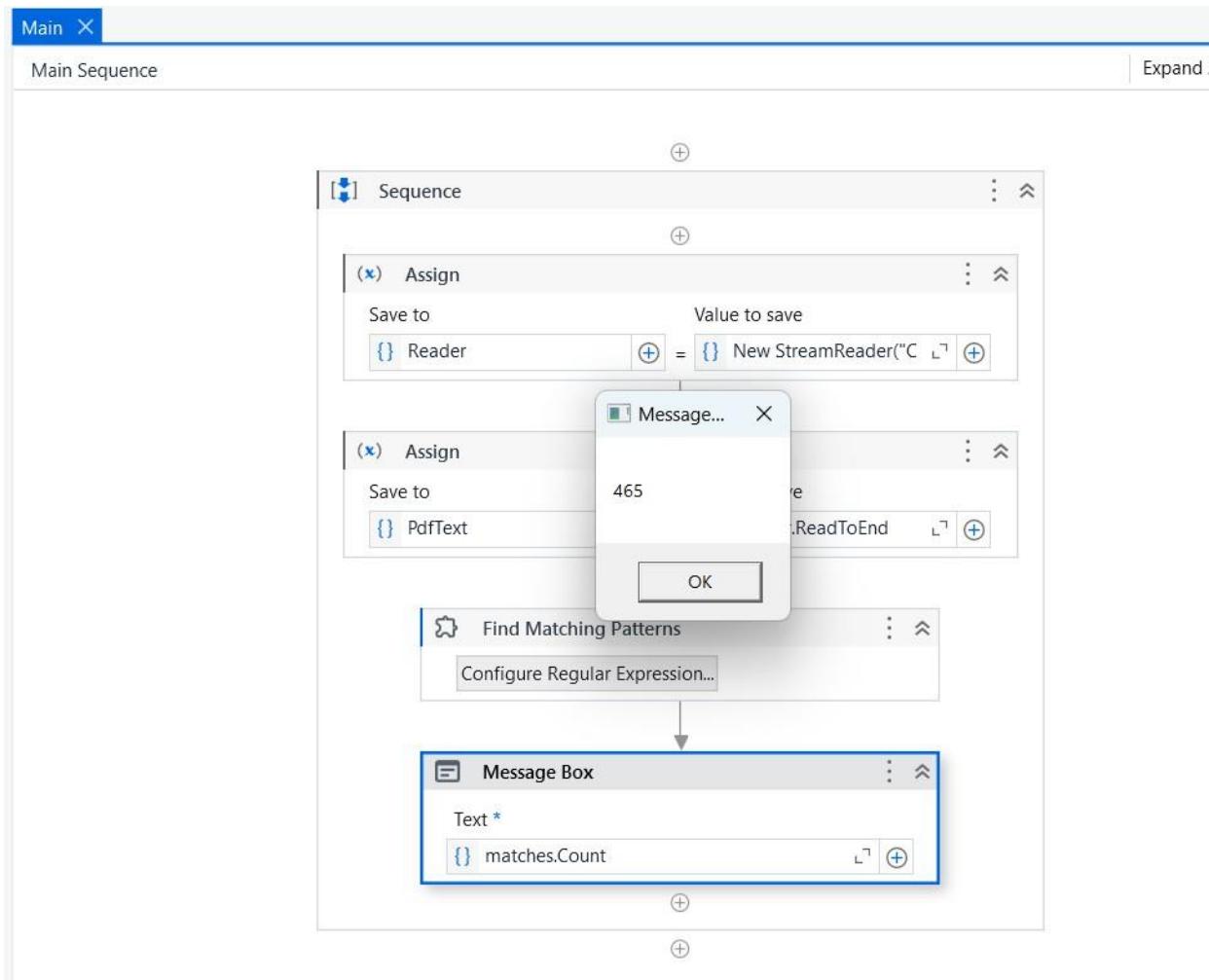
Step 6: Now in message box write matches.Count and run the program.

Variables:

Name	Variable type	Scope	Default
Reader	StreamReader	Sequence	Enter a VB expression
PdfText	String	Sequence	Enter a VB expression
matches	IEnumerable<Match>	Sequence	Enter a VB expression
Create Variable			
<a href="#">Variables</a> <a href="#">Arguments</a> <a href="#">Imports</a>			



## Output



## Practical No: 8 D

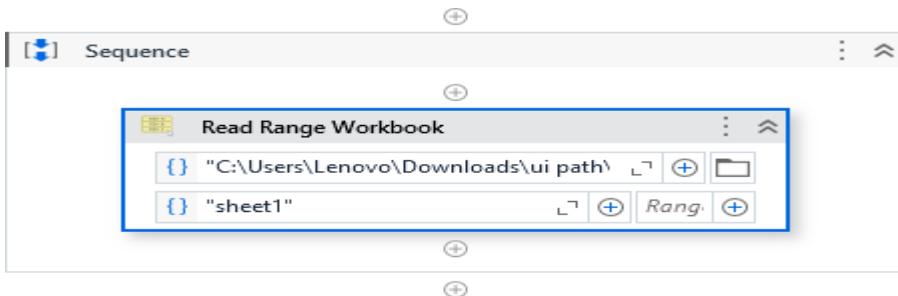
### Aim: Demonstrate Exception Handling using UiPath.

Step 1: Create an excel file.

Step 2: Create a new process in UiPath studio.

Step 3: Drag and drop the sequence inside the sequence drag and drop the Read Range Workbook.

Step 4: In the Read Range Workbook first box paste the path of excel file and second box write "sheet 1".



Step 5: Right click on Read Range Workbook and click n surround with catch(ctrl+t).

Step 6: Now click on Add new catch and click on drop down button of Exception and choose System.Exception.

Step 7: Go to Activity panel and drag and drop message box inside the catches and change the name exception of rightside to exc, and in the message box write exc.Message.

Step 8: click on Run button now you will see the message.

Step 9: Drag and drop another message box below the first message box and write "functioning catch section".

Step 10: Click on finally and in the finally drag and drop another message box and write "executed successfully",

