The background of the slide features a grid of small, semi-transparent colored squares in shades of yellow, orange, red, pink, and purple. These squares are arranged in a pattern that creates a sense of depth and motion, resembling a digital or abstract landscape.

Robotic Process Automation

Gayatri Umesh Kulkarni

MSC-IT SEM 4 PART 2

2024-25

53004230002

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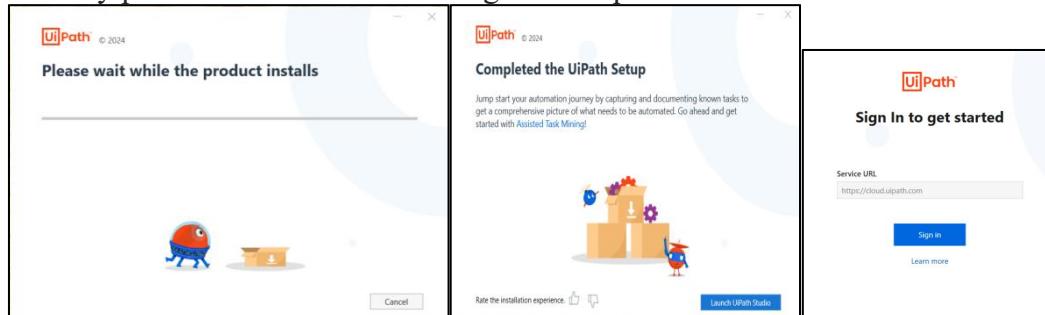
Module 1 Practical 1

Aim:-Learning UiPath Studio Sequence, Flowchart, and Control Flow

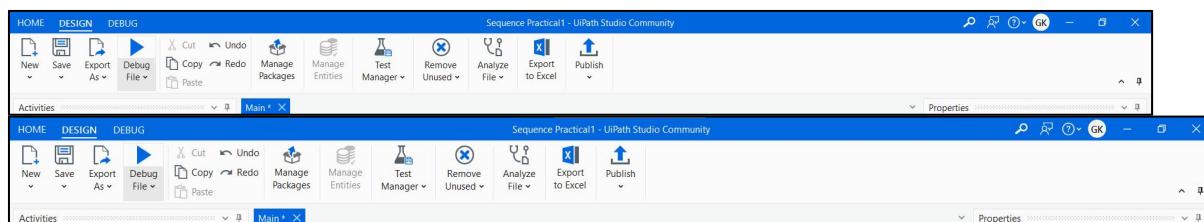
Contents:-UiPath stack, Downloading and installing UiPath Studio, Learning UiPath Studio, Task recorder, Step-by-step examples using the recorder.Sequence, Flowchart, and Control Flow: Sequencing the workflow,Activities, Control flow, various types of loops, and decision making,Step-by-step example using Sequence and Flowchart, Step-by-step example using Sequence and Control flow, Step-by-step examples using the recorder.

Download UiPath from :<https://docs.uipath.com/studio/standalone/2022.10/user-guide/install-studio>

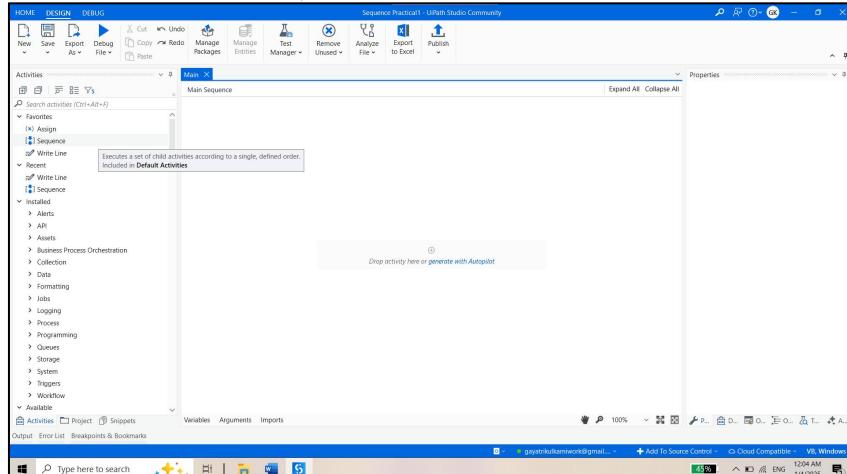
- 1) Click on Try UiPath Free
- 2) Follow the steps to create login and download the setup file
- 3) Sign in with account or create a new account. You can either open an old project or create a new one.
- 5) To create a new project, click on Process and name it. This is basic step for each practical and at the end of every practical in Home tab Debug icon drop down and Run File.



We will then be directed to a screen, which will display the following: To get your Community Edition of UiPath Studio, type the following link in your browser. This panel is located at the top of the user interface



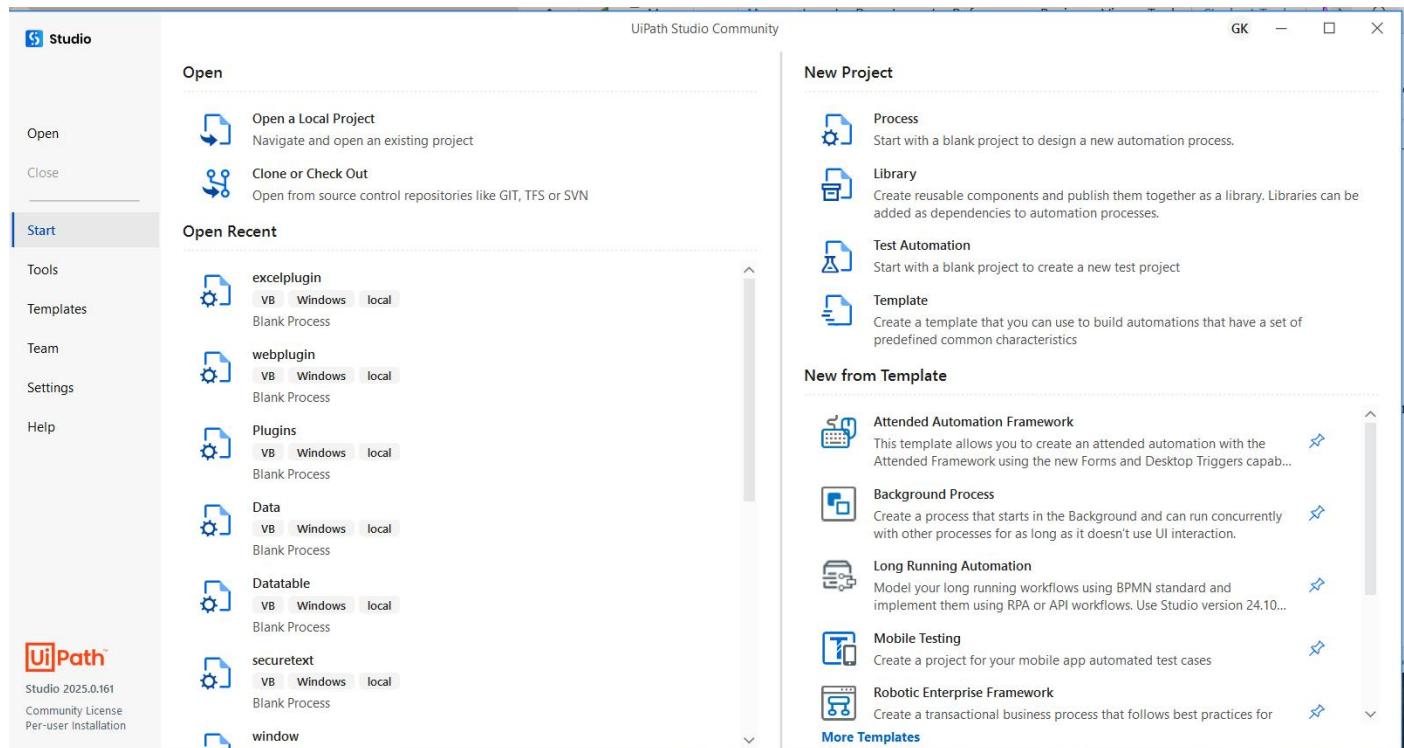
It consists of tabs: Home Design, Debug and properties and activity panel, project panel, output, variable.



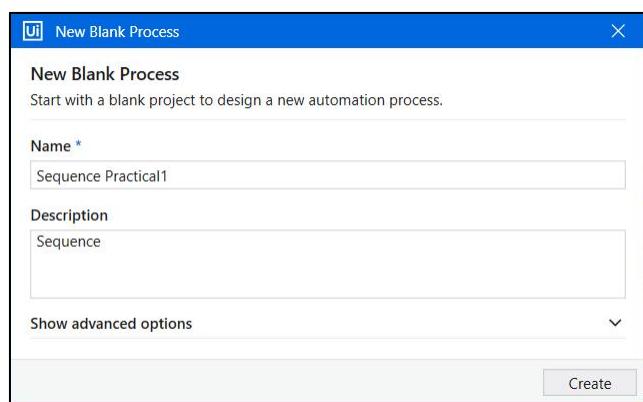
Practical 1a

Aim:- 1a) Create a simple sequence based project.

Steps:- 1)Create a new process by clicking on Process and then assign name .

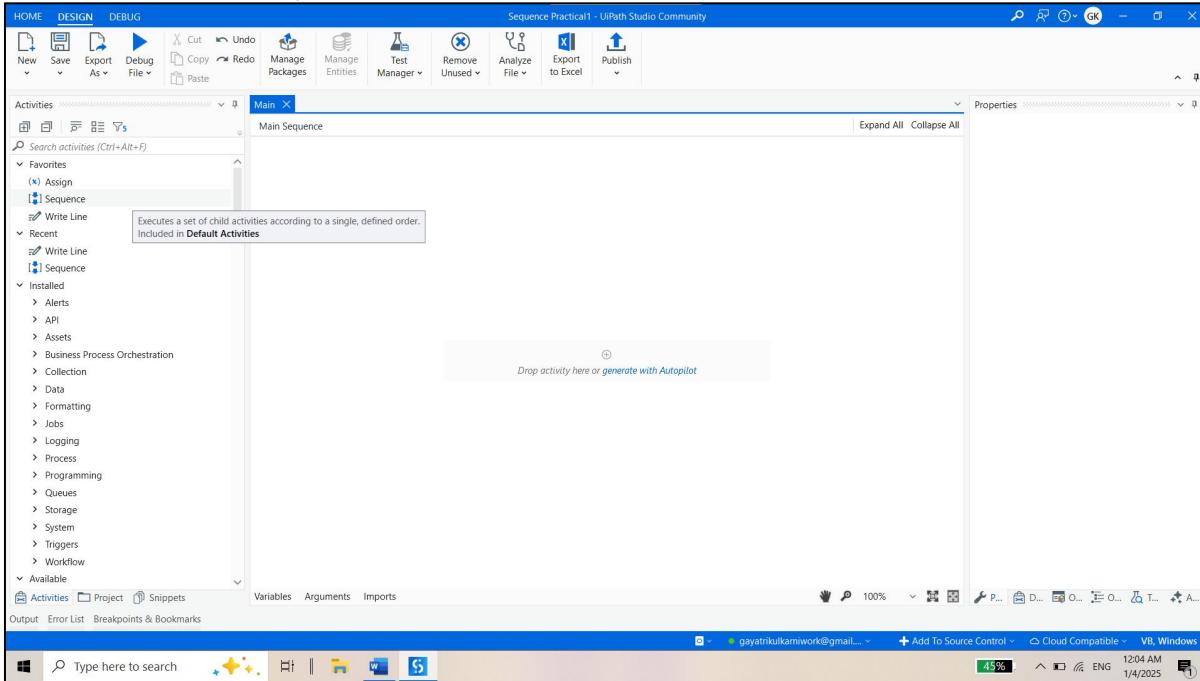


2)Name it with desired Practical for understanding.For eg:- I have named my practical as Sequence Practical1.

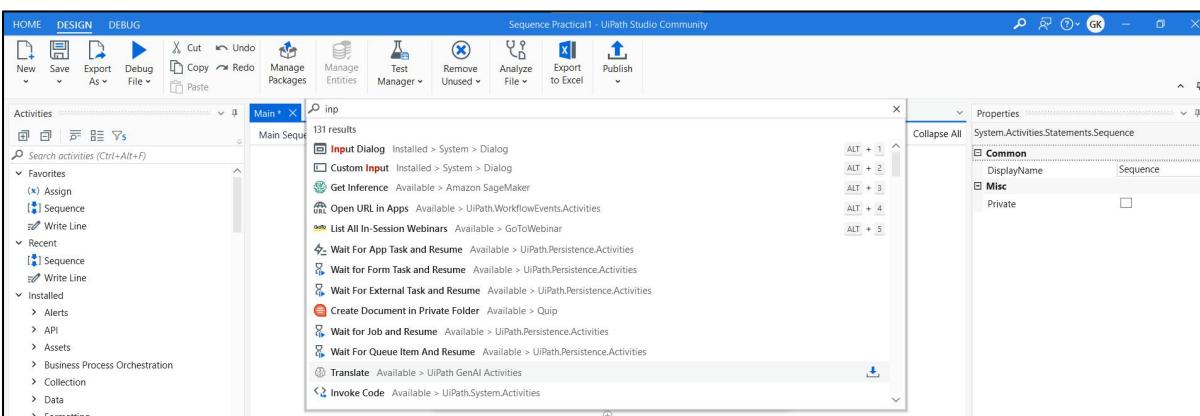


2)Search for sequence in the Activities panel and then drag and drop it from Activities Panel.

3)Double-click on the Sequence. We now have to add the steps that we want to perform. Consider each step as an action.



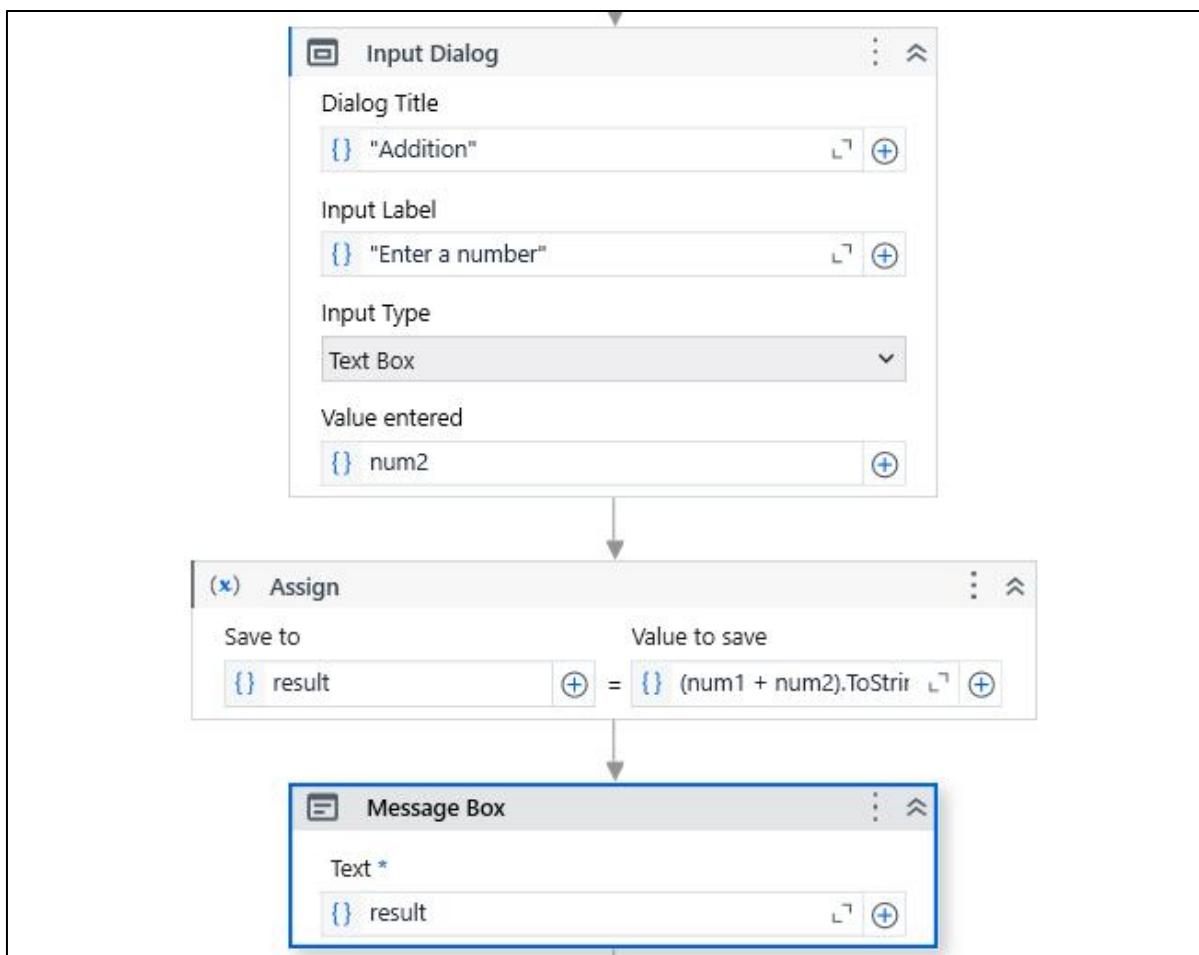
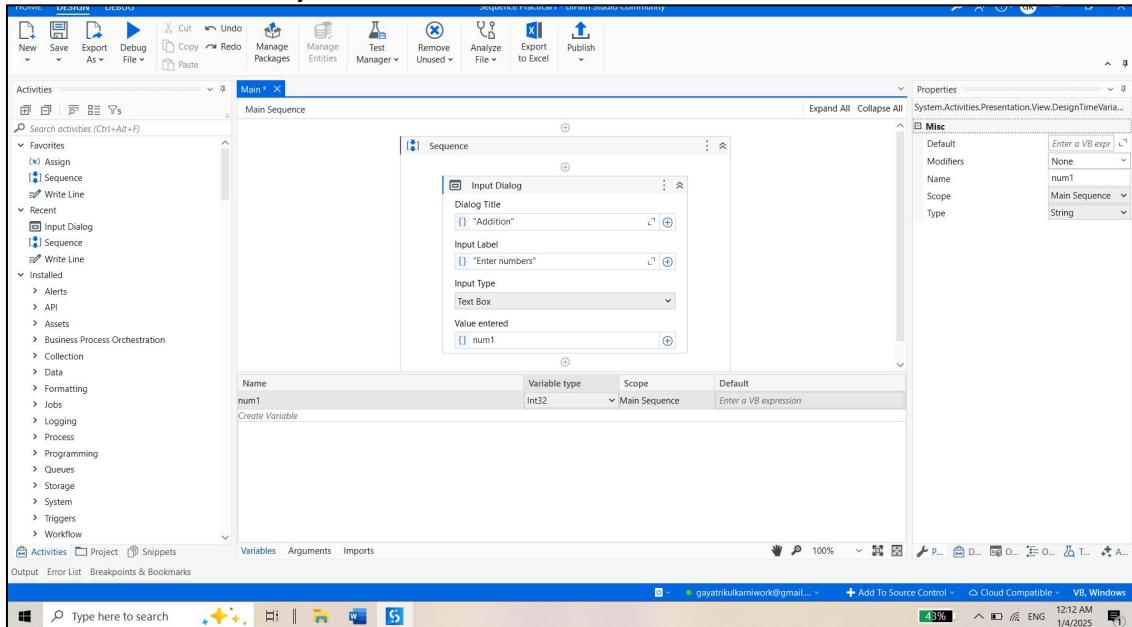
4) Search for Input dialog in Activity panel search it double click or drag and drop in the blank sheet or on top of Drop activity here.

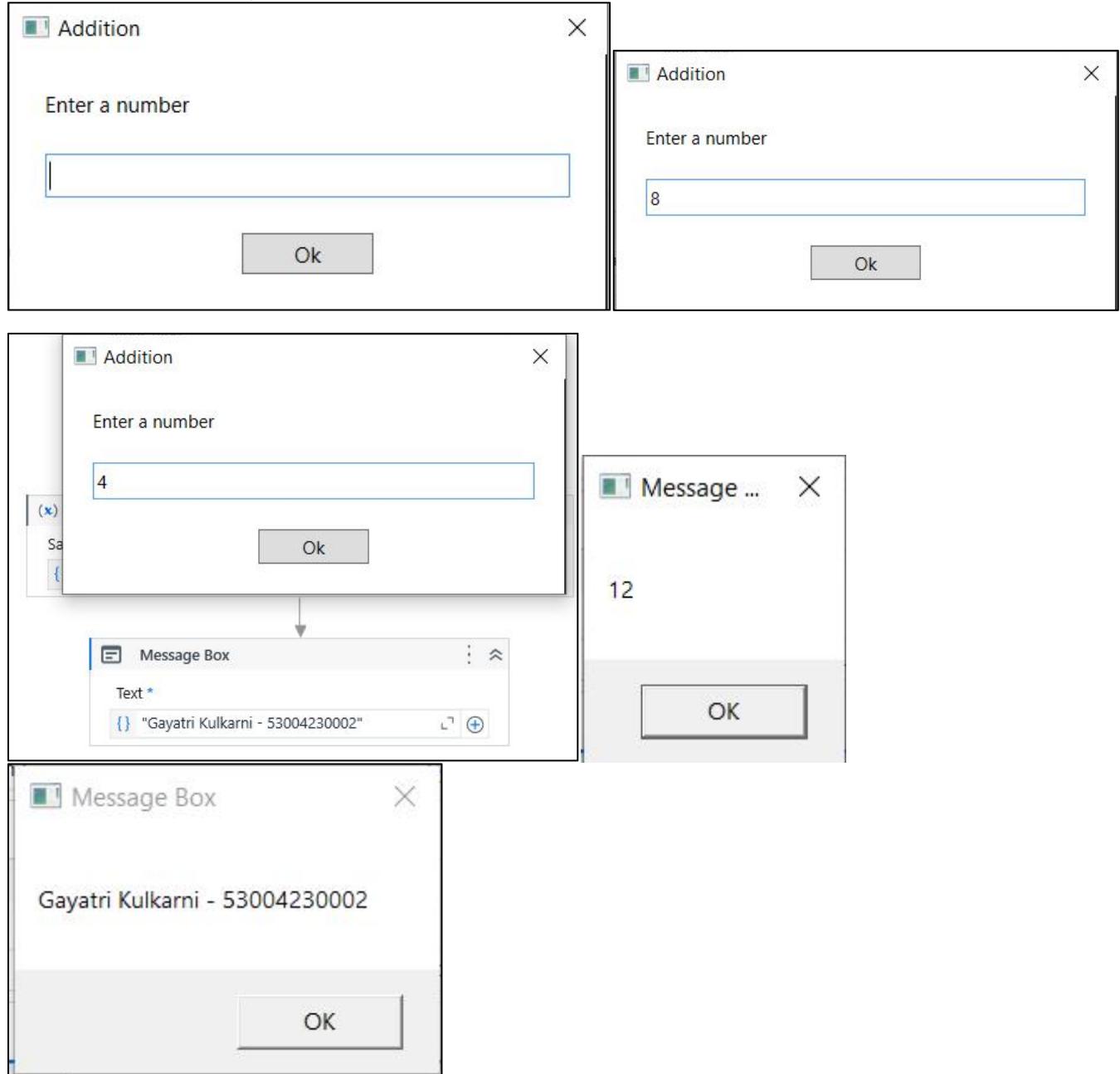


5) Ask for two Input Dialog box for entering two numbers in order to perform an addition of two numbers. Assign Variables either in properties panel or by entering in value then pressing **CTRL+K** on keyboard.

6) Then take an assign the variable result and save addition data in it.

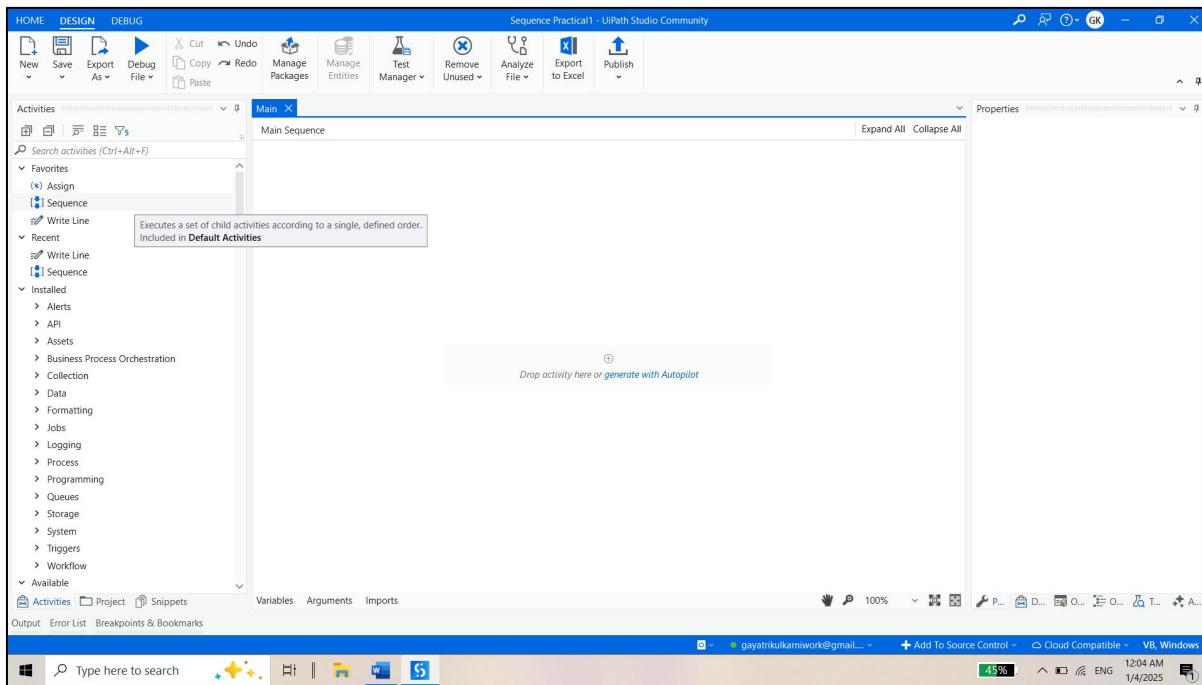
7) Drag and drop Message box and print result to show addition of two numbers.



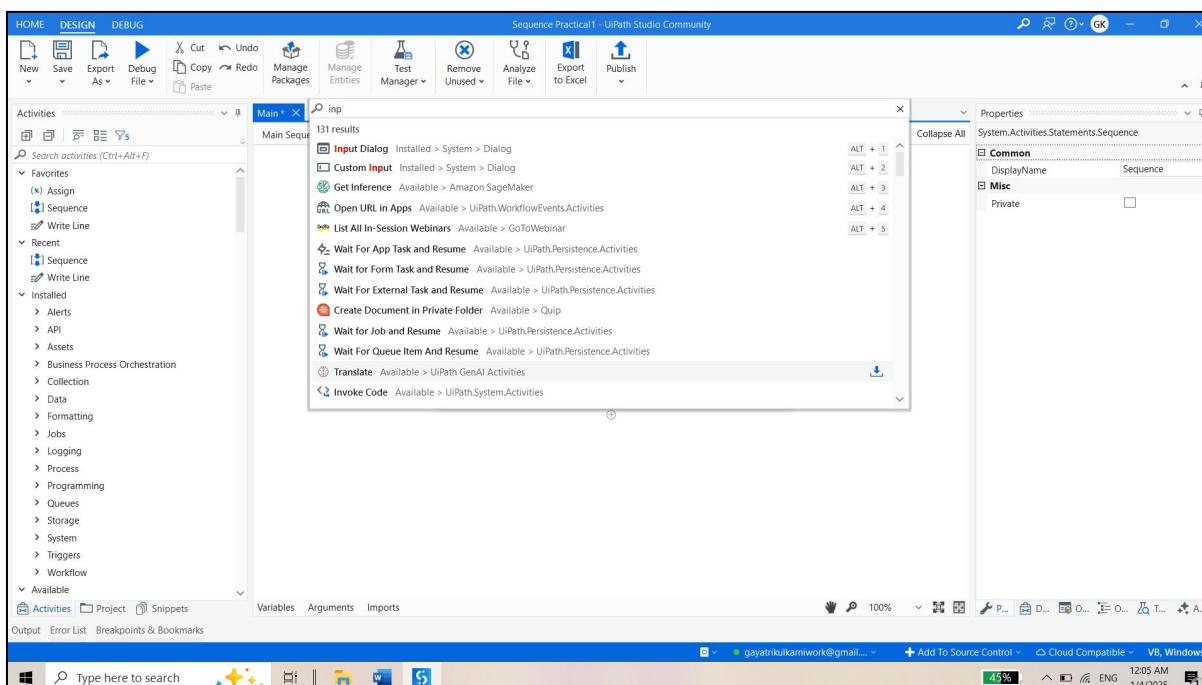


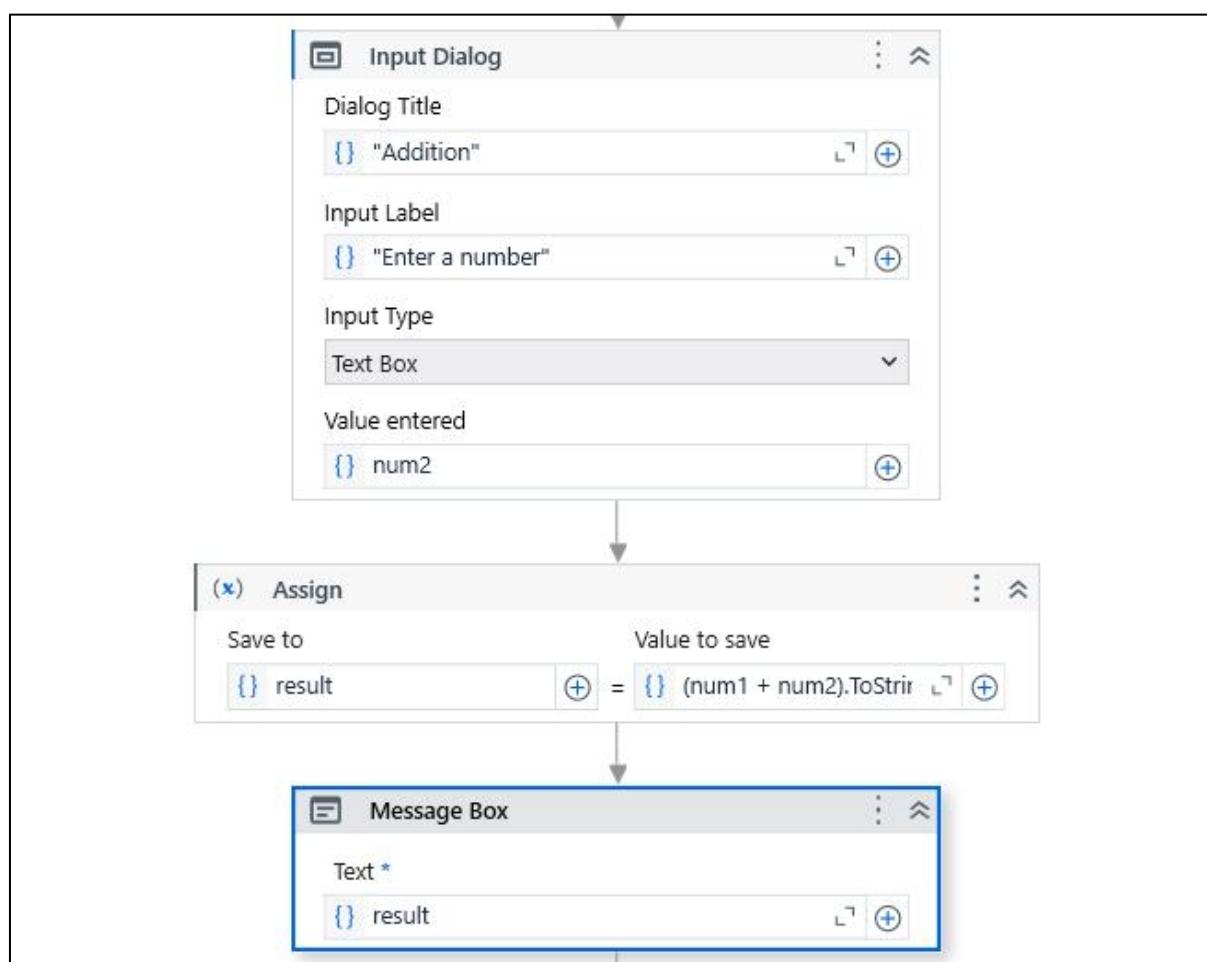
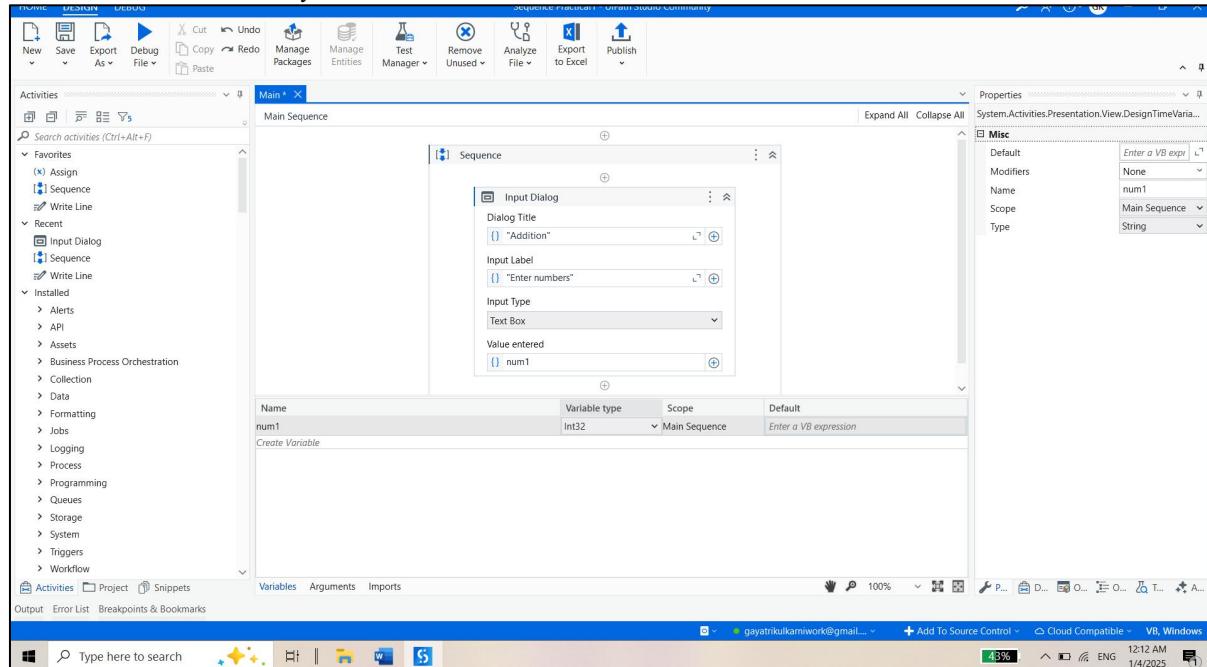
Aim:- 1b) Create a flowchart-based project.

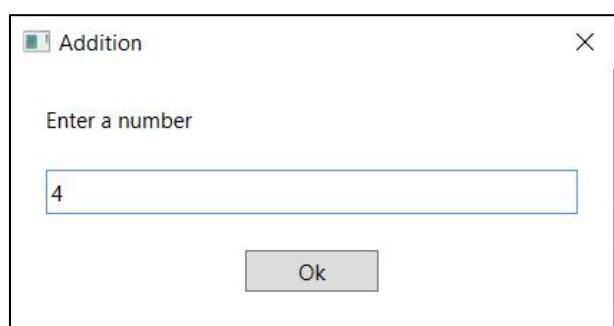
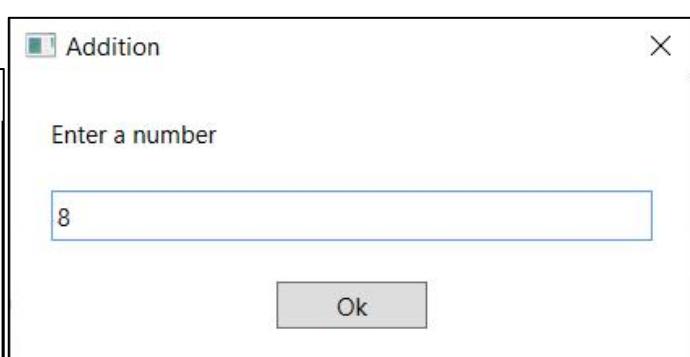
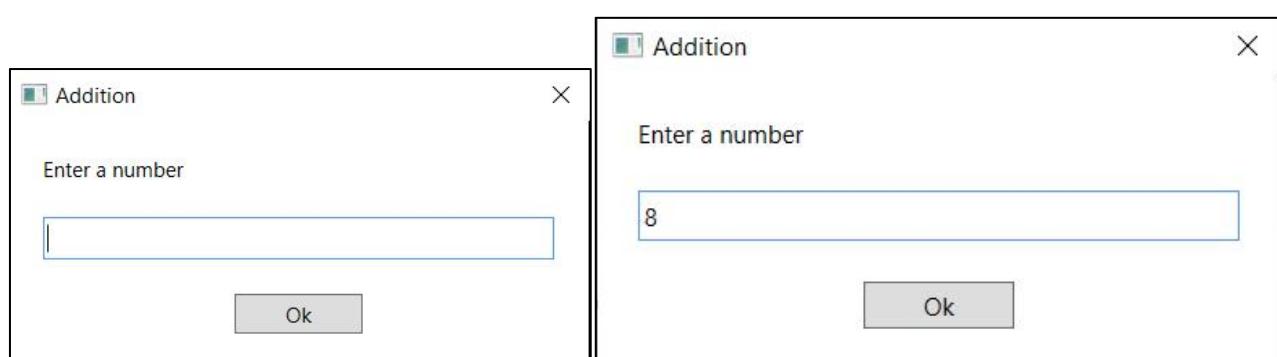
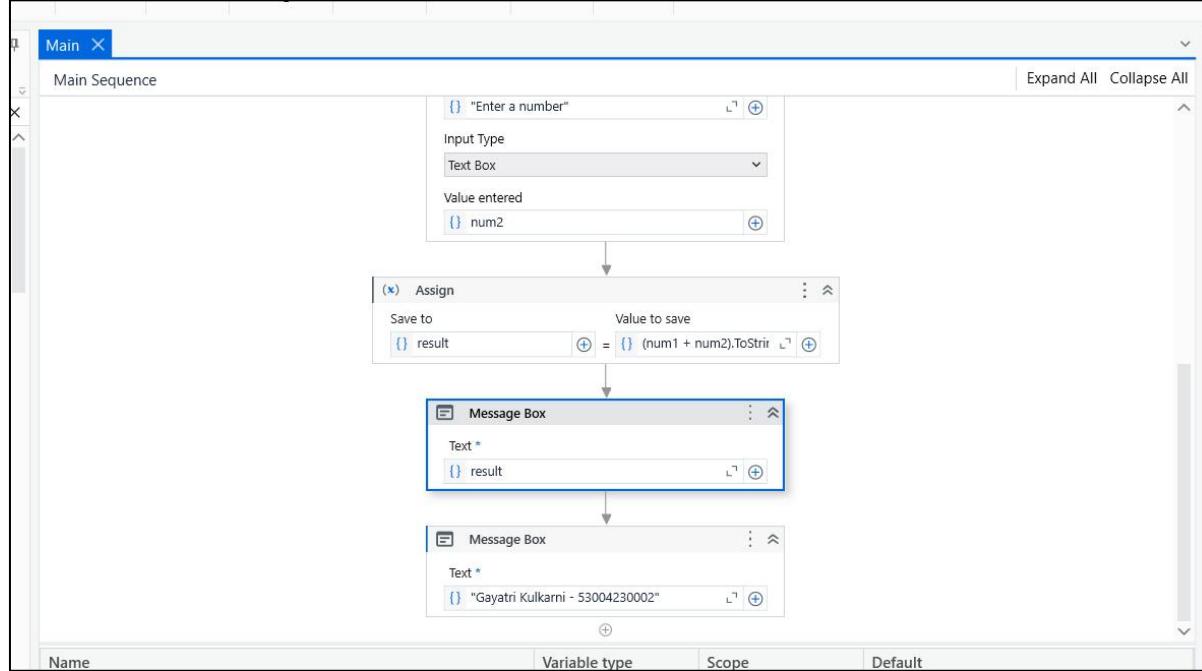
Steps:- 1) First add a Flowchart from activities panel into designer panel.



- 2) Search for Input dialog in Activity panel search it double click or drag and drop in the blank sheet or on top of Drop activity here.
- 3) Ask for two Input Dialog box for entering two numbers in order to perform an addition of two numbers. Assign Variables either in properties panel or by entering in value then pressing **CTRL+K** on keyboard.
- 4) Then take an assign the variable result and save addition data in it.
- 5) Drag and drop Message box and print result to show addition of two numbers.

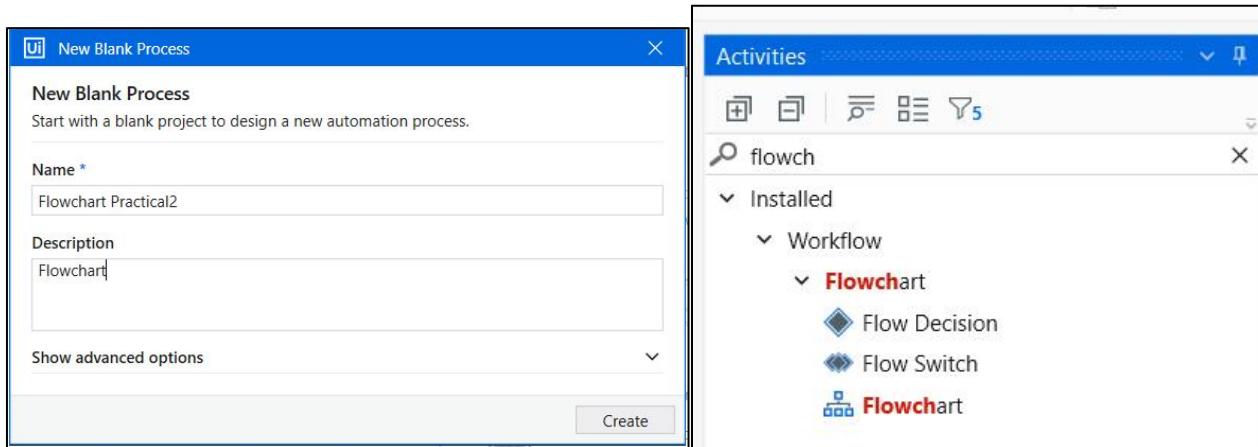




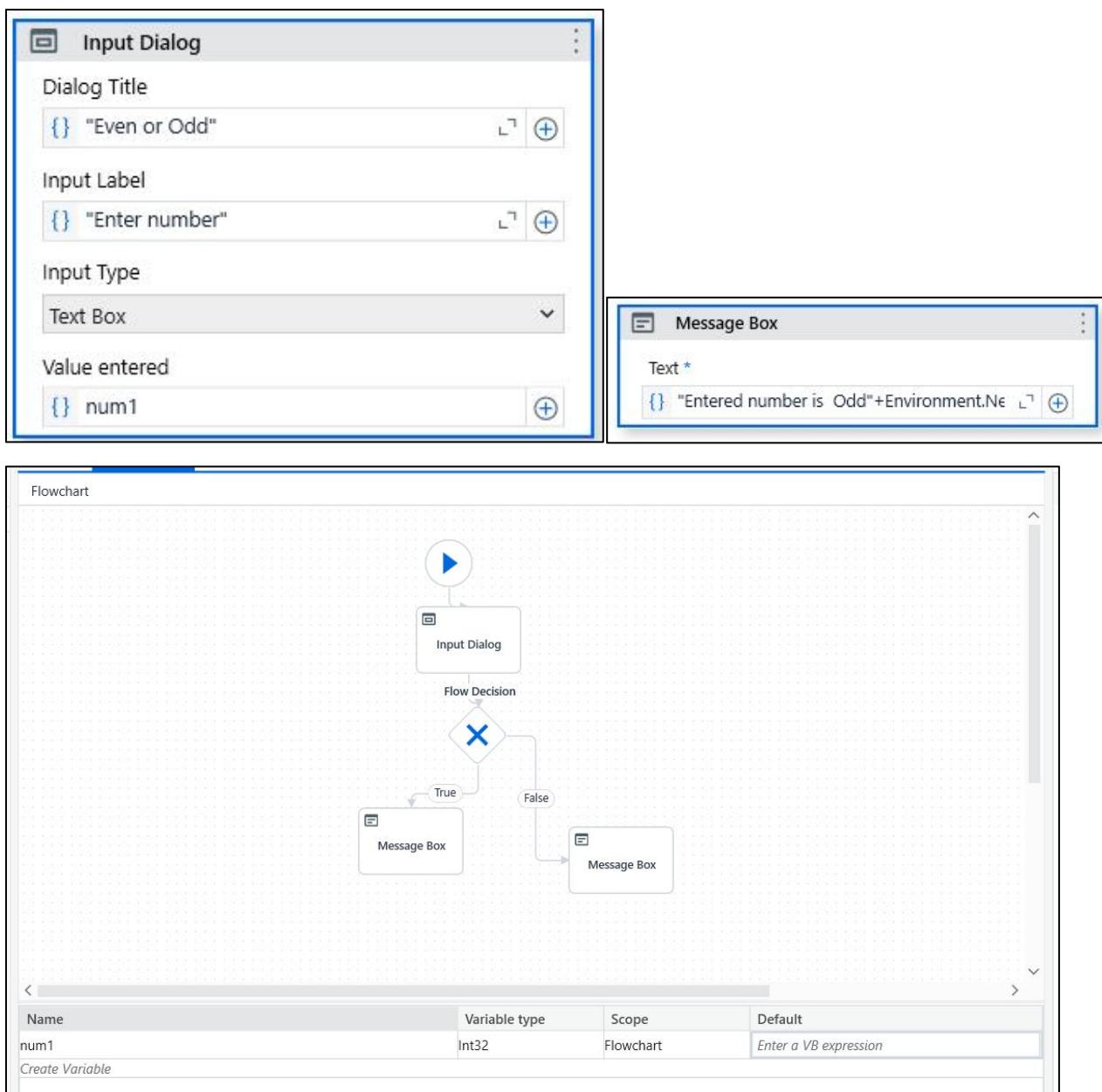


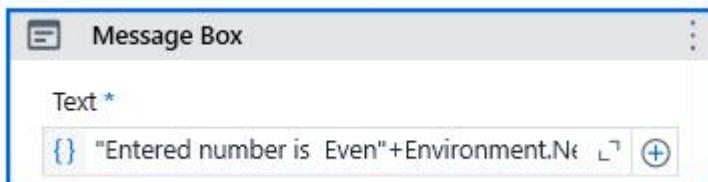
Aim:- 1c) Create an automation UiPath Project using decision statements.

1)Create a new process name it and press on create.



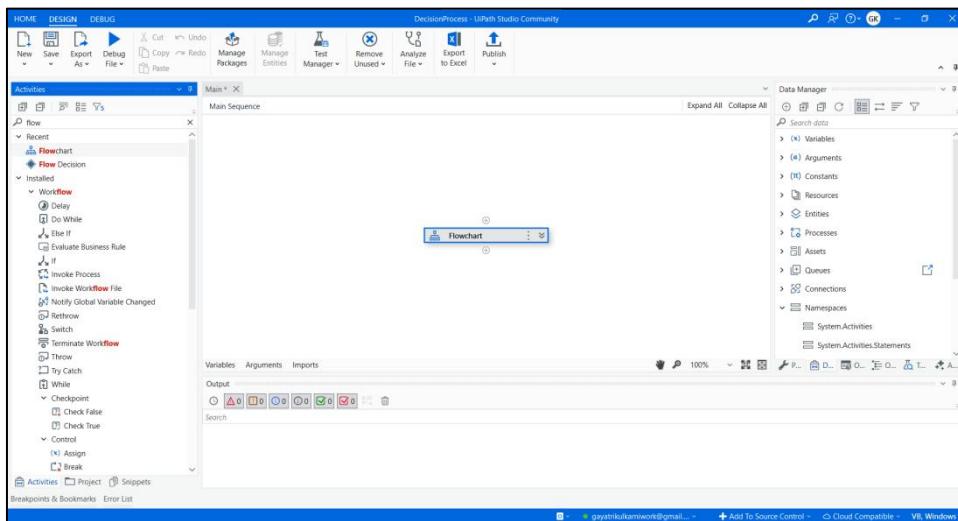
2)Search for Flow Decision and then drag and drop it. Also drag and drop Input Dialog and Enter an input label and enter a value to save.Then declare variable and Display it using a message box.



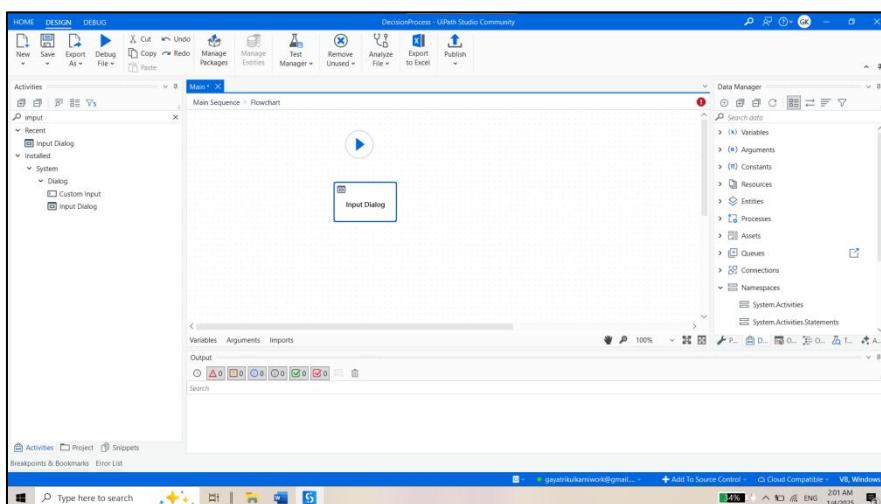


If else

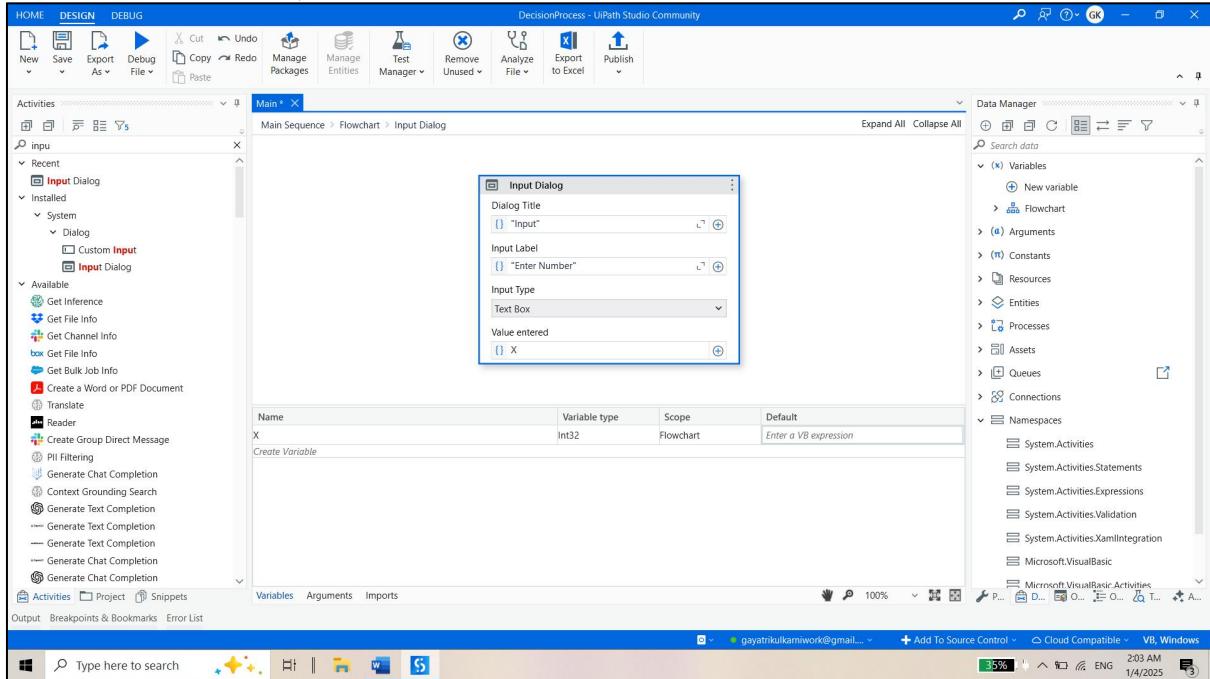
- 1) Drag and drop the flowchart in the designer panel.



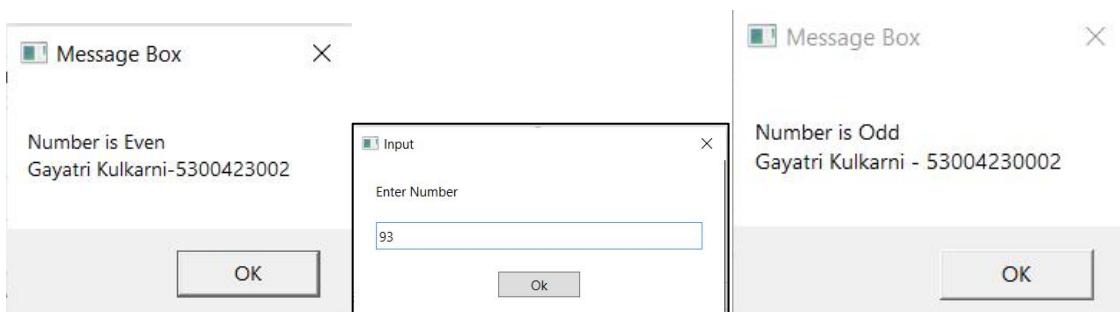
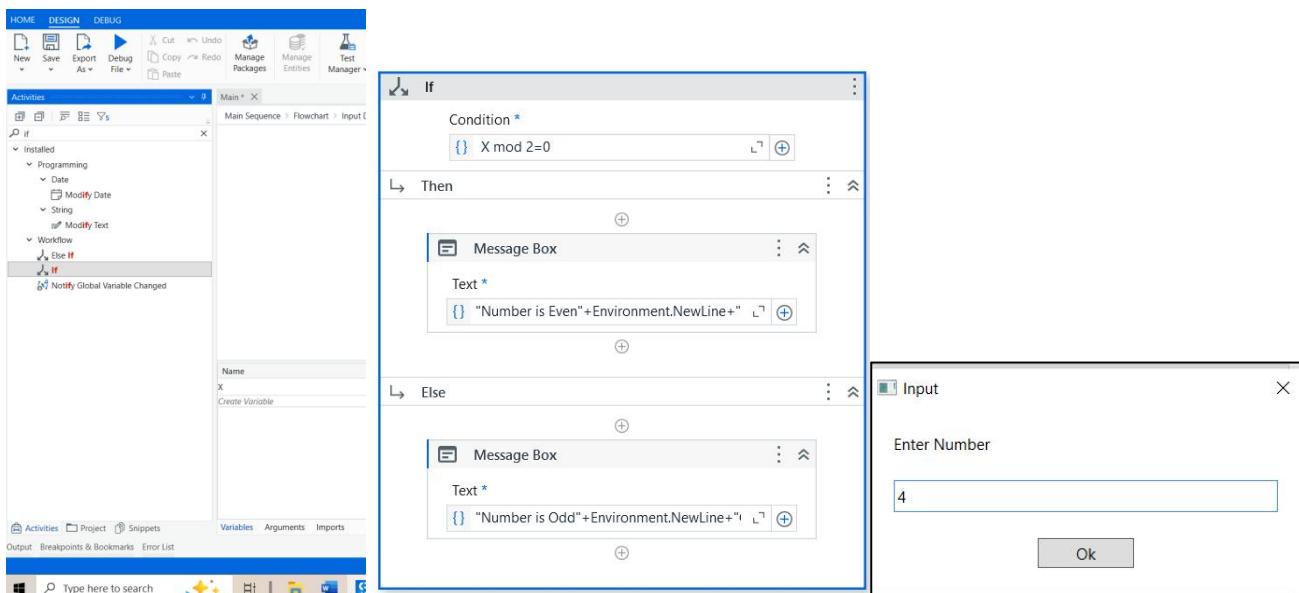
- 2) Double click on the Flowchart and then drag and drop or double click and insert Input Dialog box then right click on it and set it as start node.



- 2) In Input Dialog box in Input Label type “ Enter a number” select type as Text box and in value type X declare X by using variable panel you can type directly or use properties and Crtl+K on keyboard to declare variable.



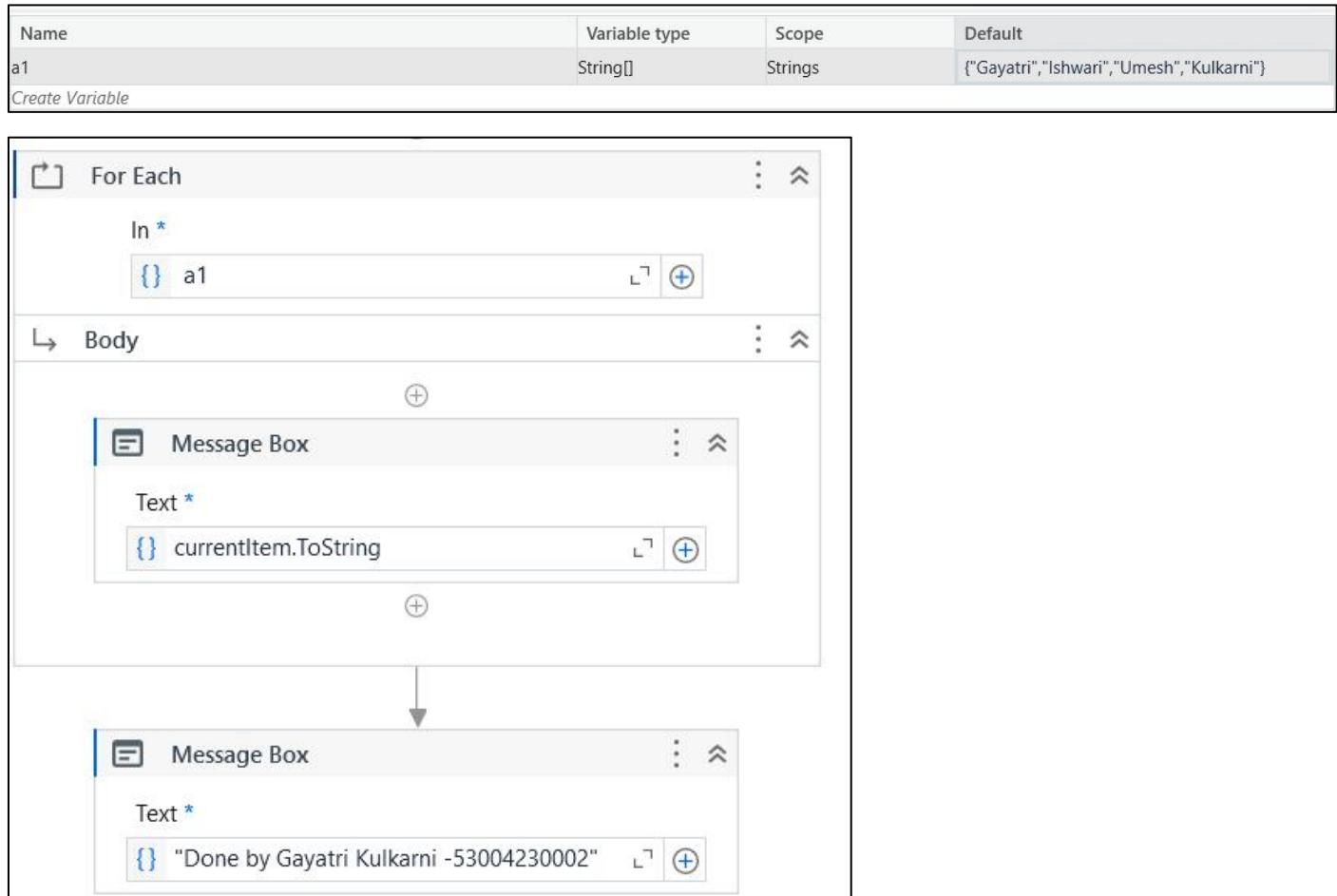
- 3) Then add **If** block type $X \bmod 2 = 0$ and
- 4) In **then** block drag and drop Message Box
- 5) **else** statement as shown below then display them in Message Box



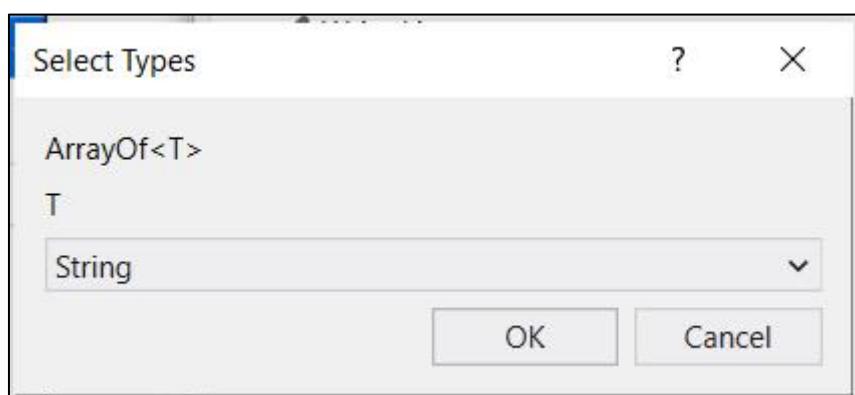
Aim:- 1d) Consider an array of names. We have to find out how many of them start with the letter "a". Create an automation where the number of names starting with "a" is counted the result is displayed.

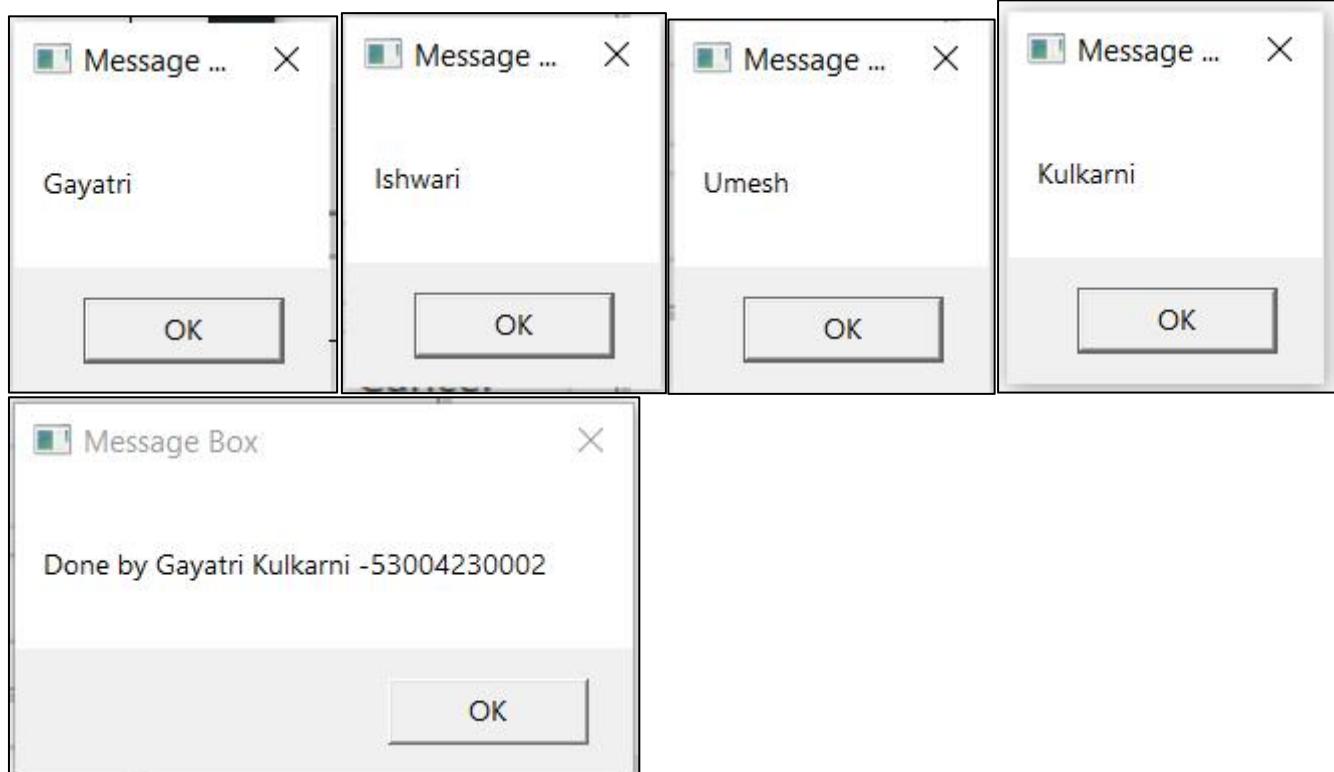
1) Drag and drop Flowchart and add For Each loop

2) In type a1 declare it in variable set variable type as Strings and in default type list of words to be displayed in array format {"Gayatri", "Ishwari", "Umesh", "Kulkarni"}

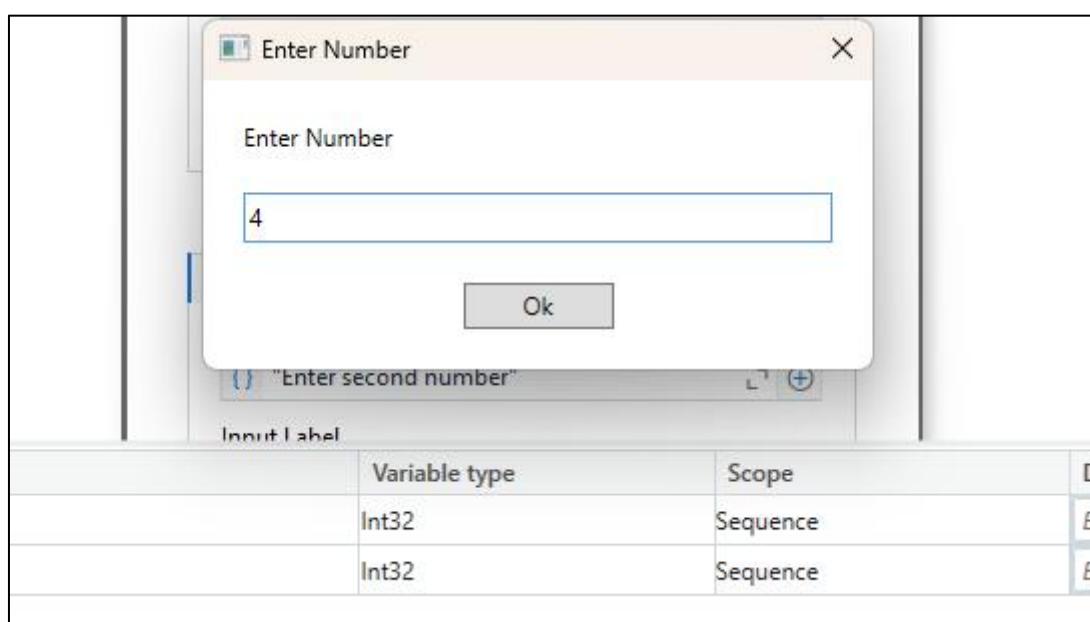


3) While declaring Variable remember to select String from drop down list may be they wont be visible direct it is under ArrayOF<T> datatypes.

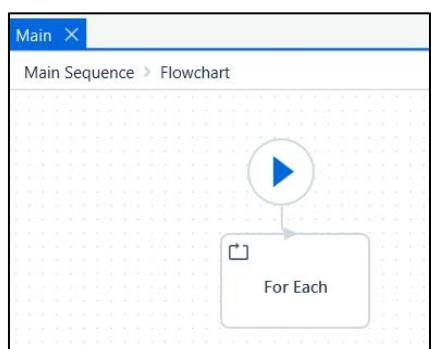
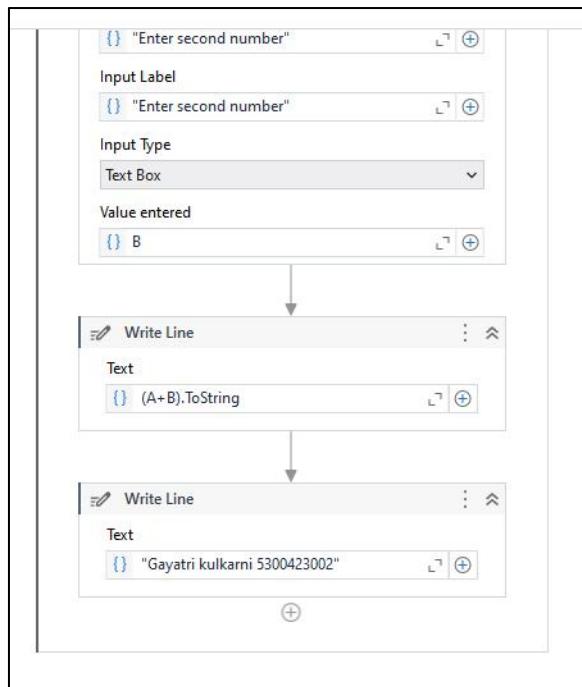
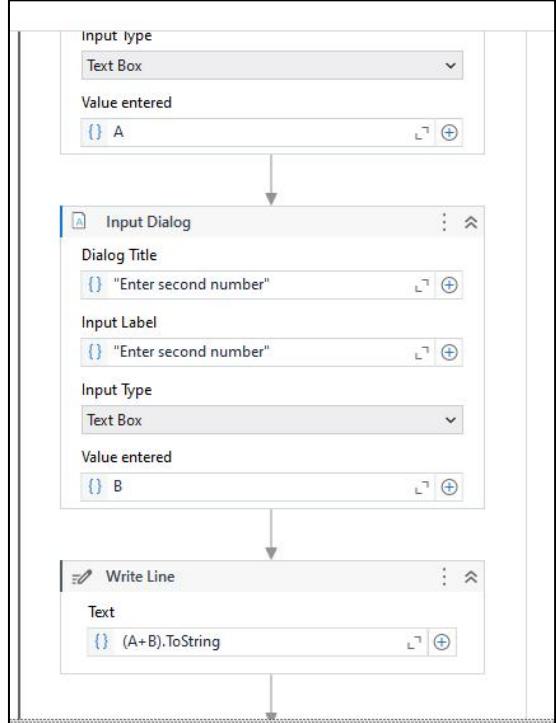


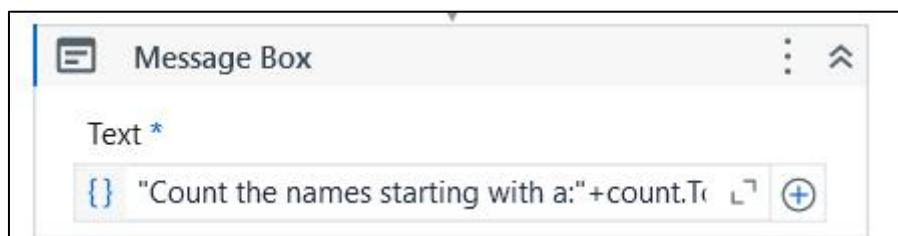
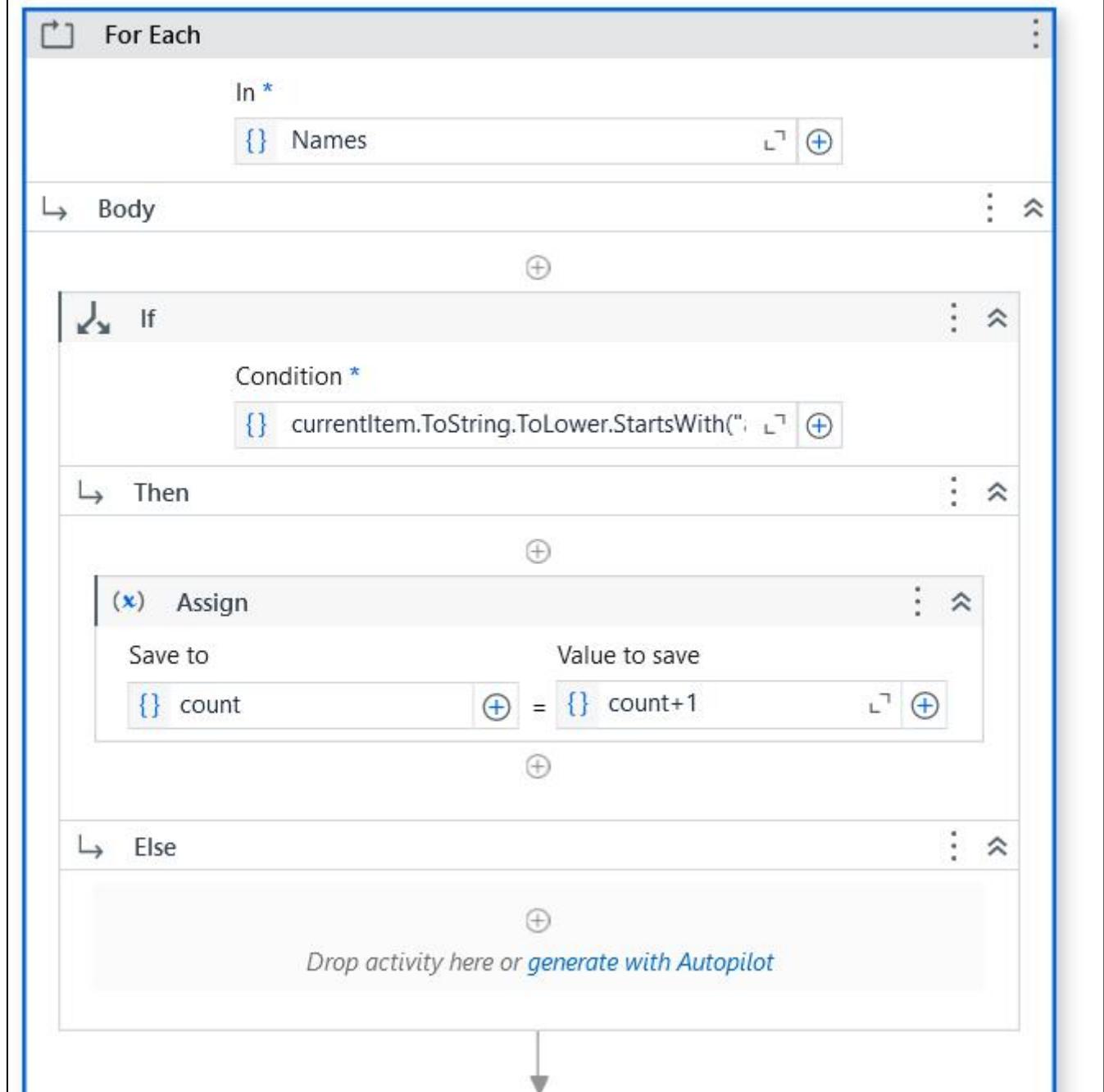


- 1) Count - Drag and drop Dialog Input and label it as “Enter Number” and assign value as A
- 2) Repeat the step now set input as “Enter second Number” and assign value as B
- 3) Then drag and drop WriteLine and type (A+B).ToString to display the results



The screenshot displays a user interface for a robotic process automation (RPA) tool. At the top, there is a title bar with the text "Enter second number". Below the title bar, the main area contains the text "Enter second number" and a text input field containing the character "A". A button labeled "Ok" is positioned below the input field. To the right of this dialog box, there is a "Variables" section showing variables like "pr1" and "pr2" with their values set to 0. Below the dialog box is a "Logs" section titled "Output" which shows a list of debug messages. At the bottom of the screen is a "Sequence" editor window. This window contains two "Input Dialog" components. The first dialog has a "Dialog Title" of "{!} "Enter Number"" and an "Input Label" of "{!} "Enter Number"". It is configured with a "Text Box" type input field and a variable "Value entered" set to "{!} A". An arrow points from this dialog down to a second, identical "Input Dialog" component. This second dialog also has a "Dialog Title" of "{!} "Enter second number"" and an "Input Label" of "{!} "Enter second number"". It is also set up with a "Text Box" type input field and a variable "Value entered" set to "{!} -".





Ui Expression Editor

Message Box > Content (InArgument<Object>)

The text to be displayed in the message box.

1 "Count the names starting with a:" + count.ToString() + Environment.NewLine +
2 "Gayatri Kulkarni -53004230002"

Select Types

ArrayOf<T>
T
String

OK Cancel

Message Box

Count the names starting with a:1
Gayatri Kulkarni -53004230002

OK

Message Box

Count the names starting with a:2
Gayatri Kulkarni -53004230002

OK

Message Box

Count the names starting with a:3
Gayatri Kulkarni -53004230002

OK

Name	Variable type	Scope	Default
Names	String[]	Flowchart	{"Aarti", "Akashnsha", "aparna"}
count	Int32	Main Sequence	Enter a VB expression

Aim:- 1e) Create an UiPath Robot which can empty a folder in Gmail solely on basis of recording

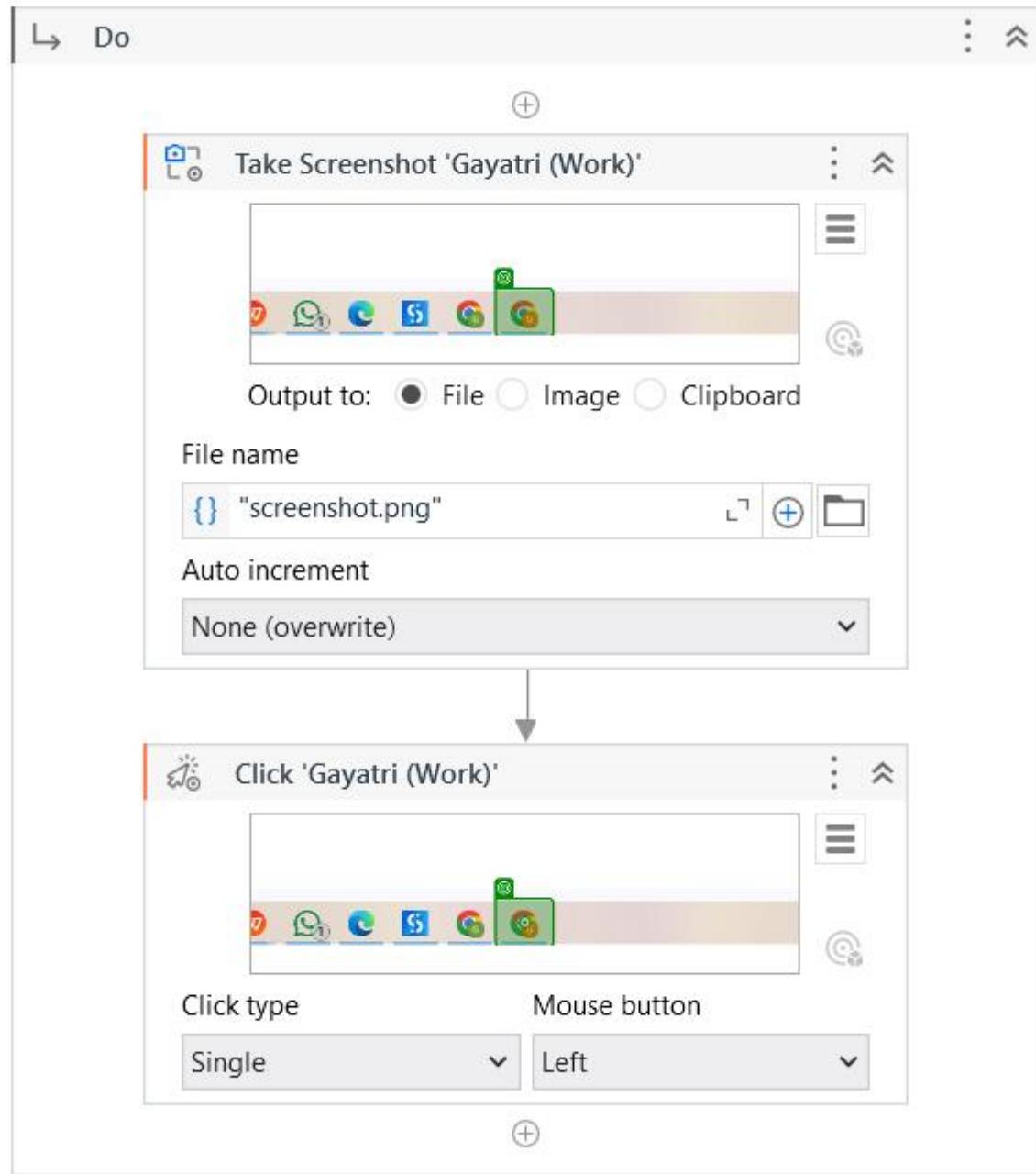
The image shows the UiPath Studio Community interface. At the top, the ribbon has tabs for HOME, DESIGN (selected), and DEBUG. Below the ribbon are various toolbars and a toolbar for managing packages, entities, and test recorder.

Application Configuration:

- Use Application:chrome**: Shows a screenshot of a browser window with a title bar.
- Application path**: Set to "www.gmail.com".
- Application arguments**: Set to "Text must be quoted".
- Match exact title: N/A**: An unchecked checkbox.

Task Configuration:

- Do**: A task step.
- Take Screenshot 'Gayatri (Work)'**: Shows a screenshot of a desktop taskbar with icons for messaging, file explorer, and Google.
- Output to:** Radio buttons for File (selected), Image, and Clipboard.
- File name**: Set to "screenshot.png".
- Auto increment**: Set to "None (overwrite)".



↓

Use Application: Bin - gukmscit25@gmail.com - Gmail - Google Chrome

Application path: "C:\Program Files\Google\Chrome\Application\chrom" ↵ + 📁

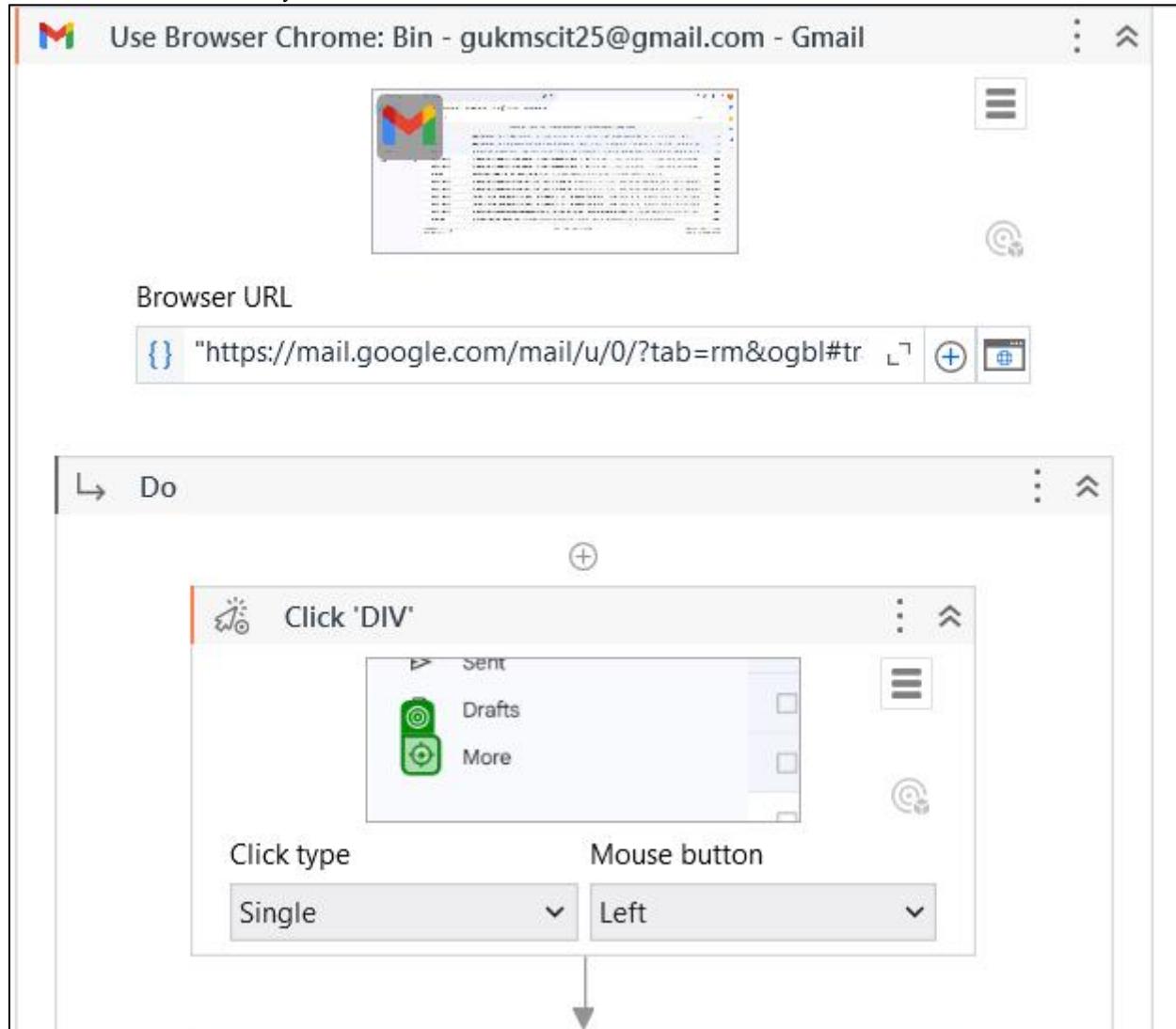
Application arguments: Text must be quoted ↵ +

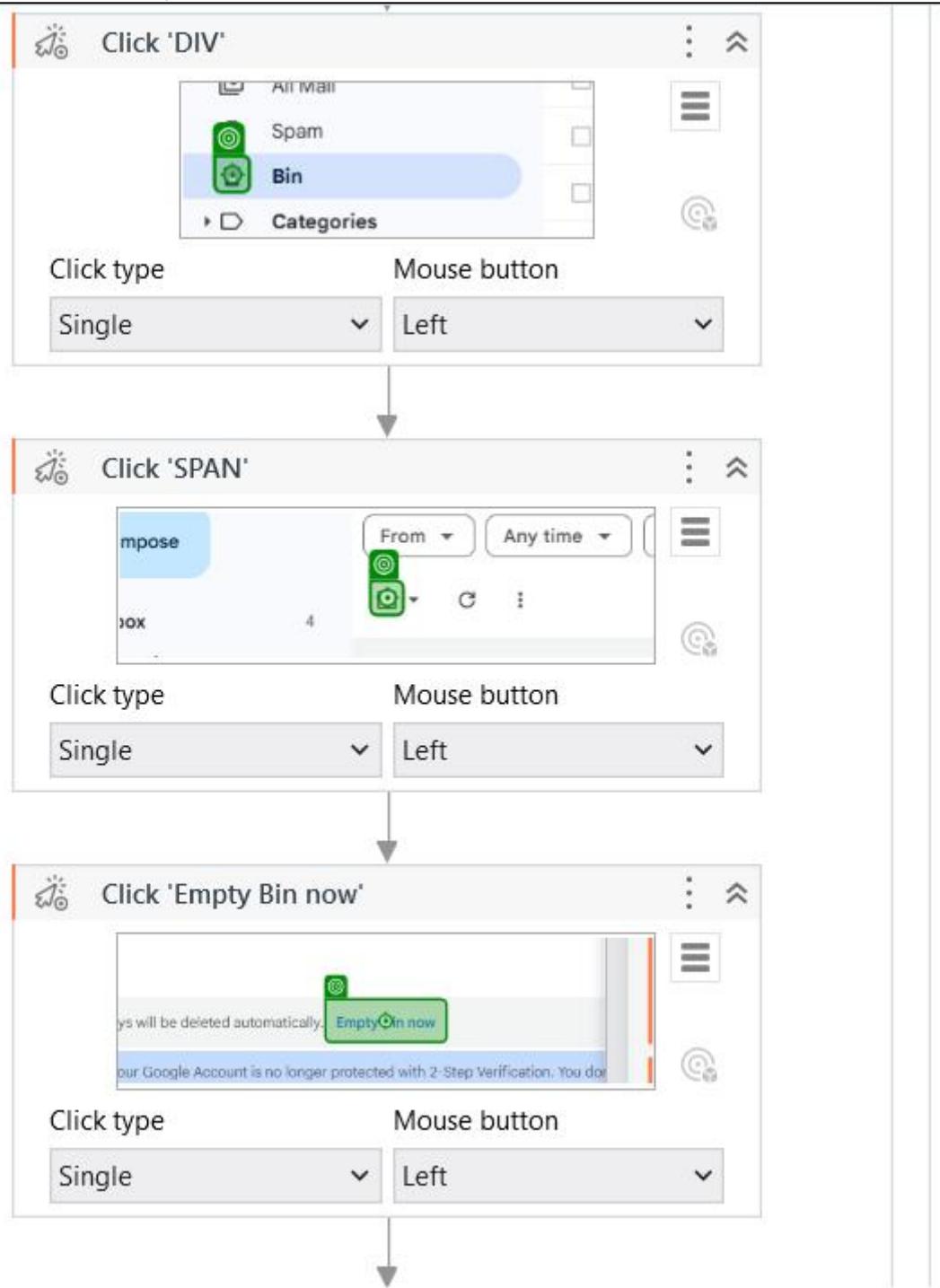
Match exact title: Bin - gukmscit25@gmail.com - Gmail - Google Chr

Do: Click 'Close'

Click type: Single

Mouse button: Left





Click 'Empty Bin now'

Empty Bin now

Click type: Single, Mouse button: Left

Click 'OK'

OK

Click type: Single, Mouse button: Left

Bin - gukmscit25@gmail.com - Download history Search results - Google Drive

"UiPath Browser Automation 24.10" started debugging this browser Cancel

Gmail

Compose

Inbox

Starred

Snoozed

Sent

Drafts

Less

Important

Chats

Scheduled

All Mail

Spam

Bin

Categories

Manage labels

Create new label

Labels

4.36 GB of 15 GB used

Messages that have been in the Bin for more than 30 days will be deleted automatically. Empty Bin now

[GitHub] Please verify your email address. - Almost done! To secure your GitHub account, we just need to verify your email address: gukmscit25@gmail.com. Verify email address This will let you...

11 Feb

Google Security alert - A new sign-in on Windows gukmscit25@gmail.com We noticed a new sign-in to your Google Account on a Windows device. If this was you, you don't need to do anything. If n...

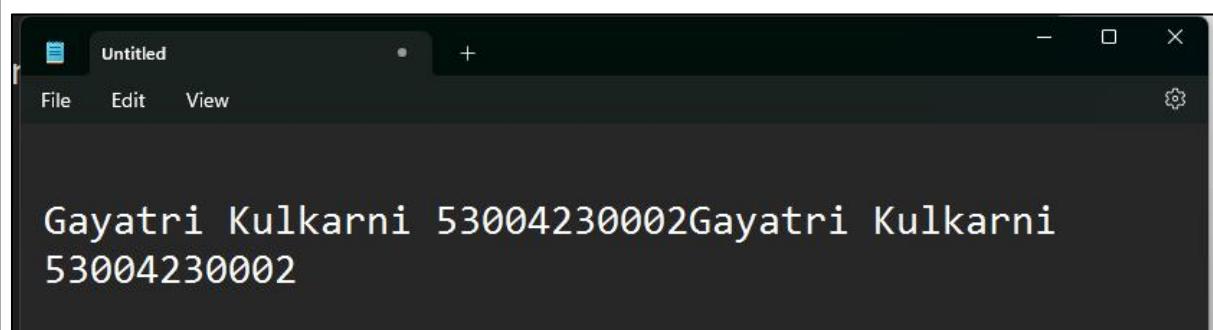
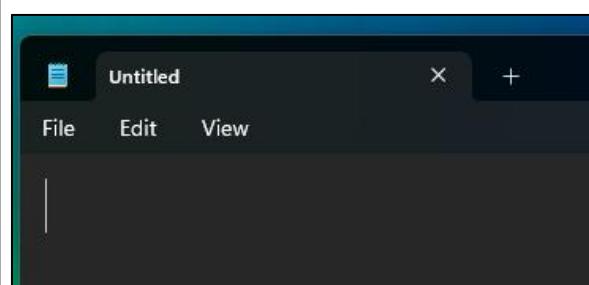
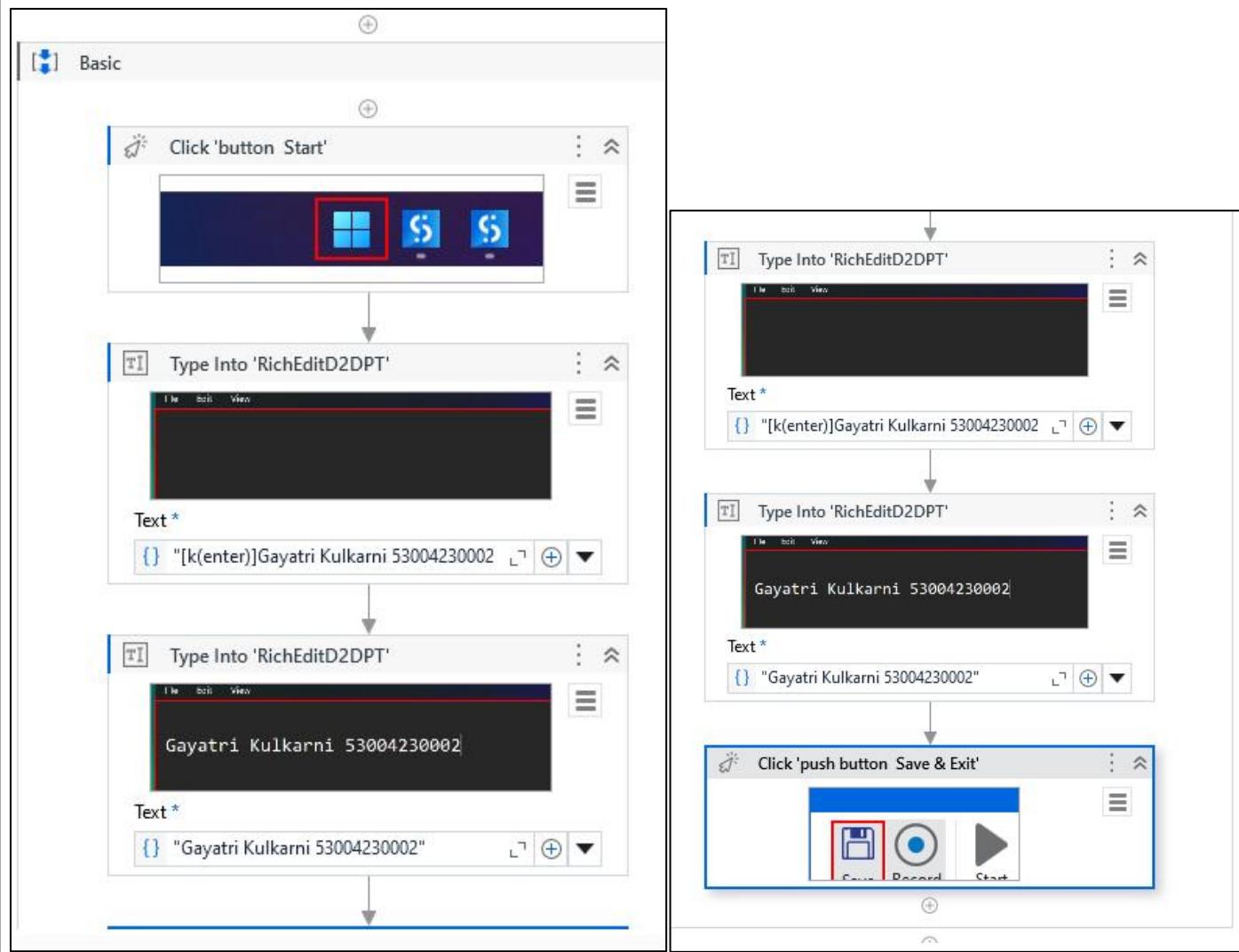
28/09/2024

Last account activity: 18 minutes ago Details

A screenshot of a Microsoft Edge browser window displaying the Gmail inbox. The address bar shows 'mail.google.com/mail/u/0/?tab=rm&ogbl#trash'. A blue status bar at the top indicates "'UiPath Browser Automation 24.10' started debugging this browser". The main interface shows the 'Bin' tab selected in the sidebar, which is highlighted with a blue background. The search bar contains the text 'in:trash'. The inbox list is empty, showing the message: 'Messages that have been in the Bin for more than 30 days will be deleted automatically.' and 'No conversations in Bin.' The bottom status bar shows battery level (90%), signal strength, network connection, and system time ('11:00 PM 3/6/2025').

Aim:-1f) Automate any process using basic recording.

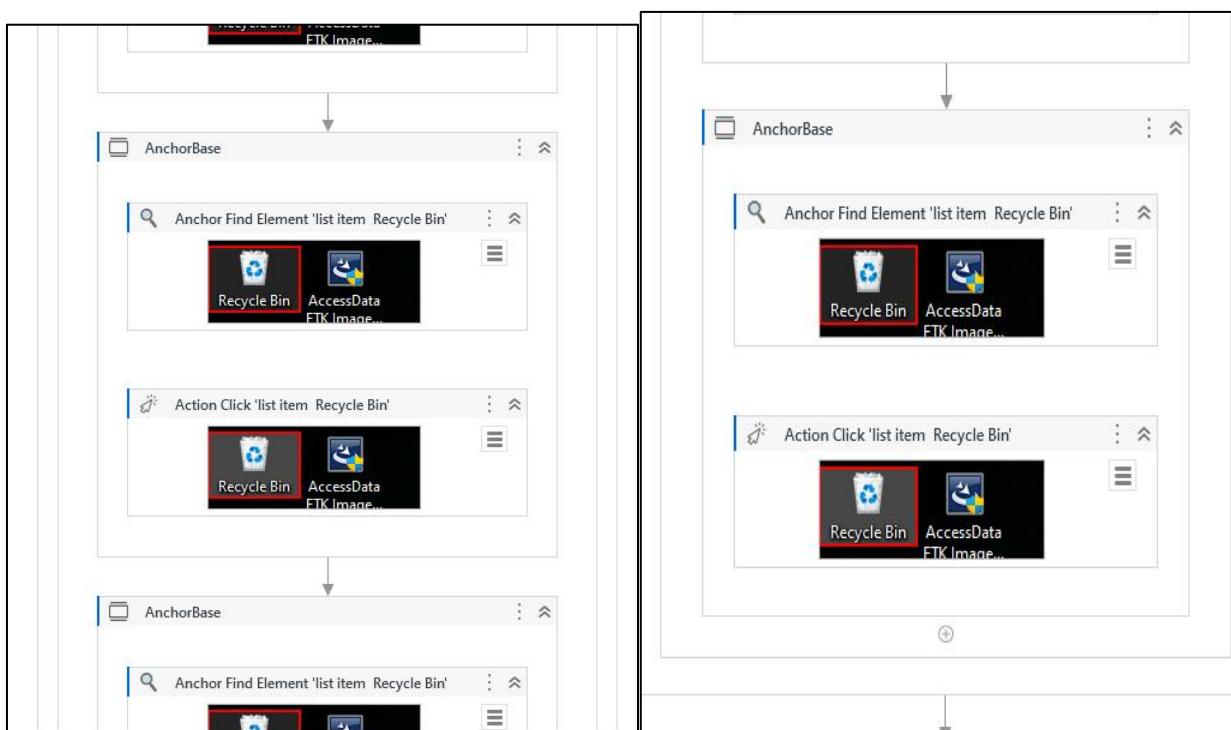
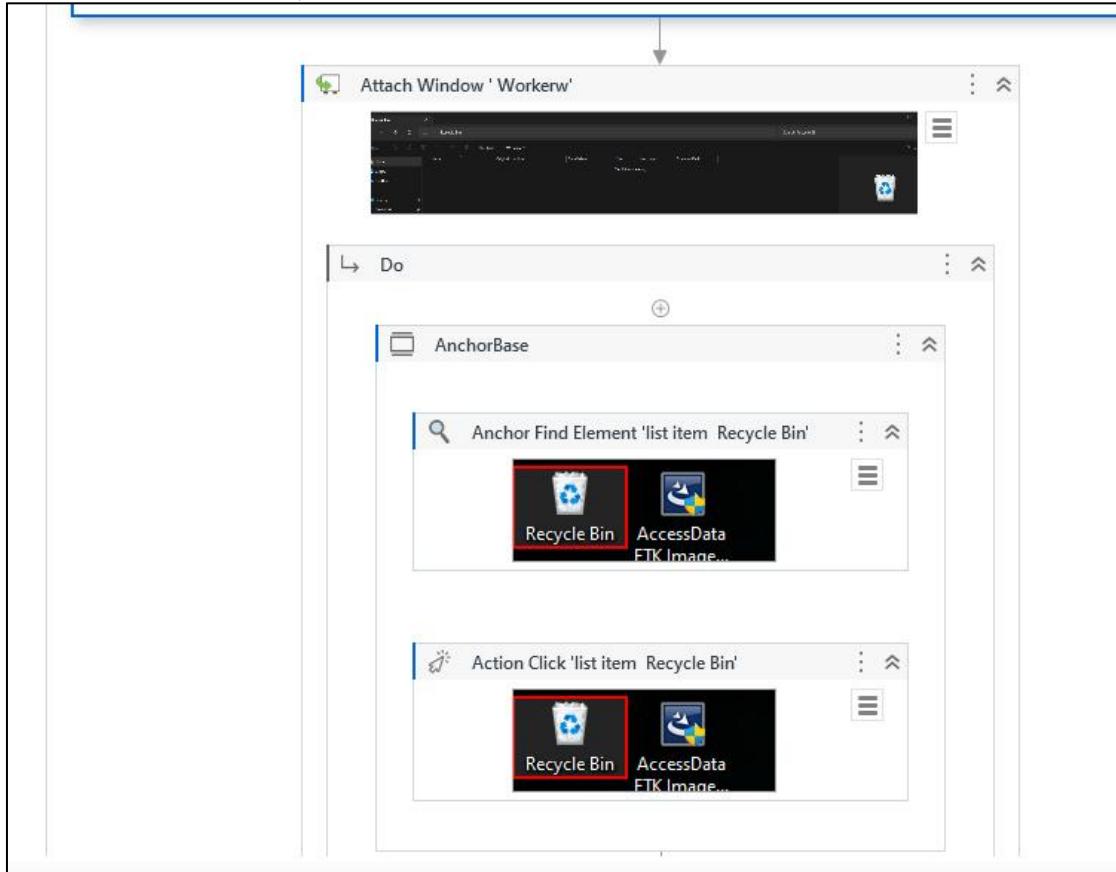
- 1) Click on Design Tab then App/Web Recorder then click on basic recording from drop down and start recording the steps and at last save the file and then run the file.

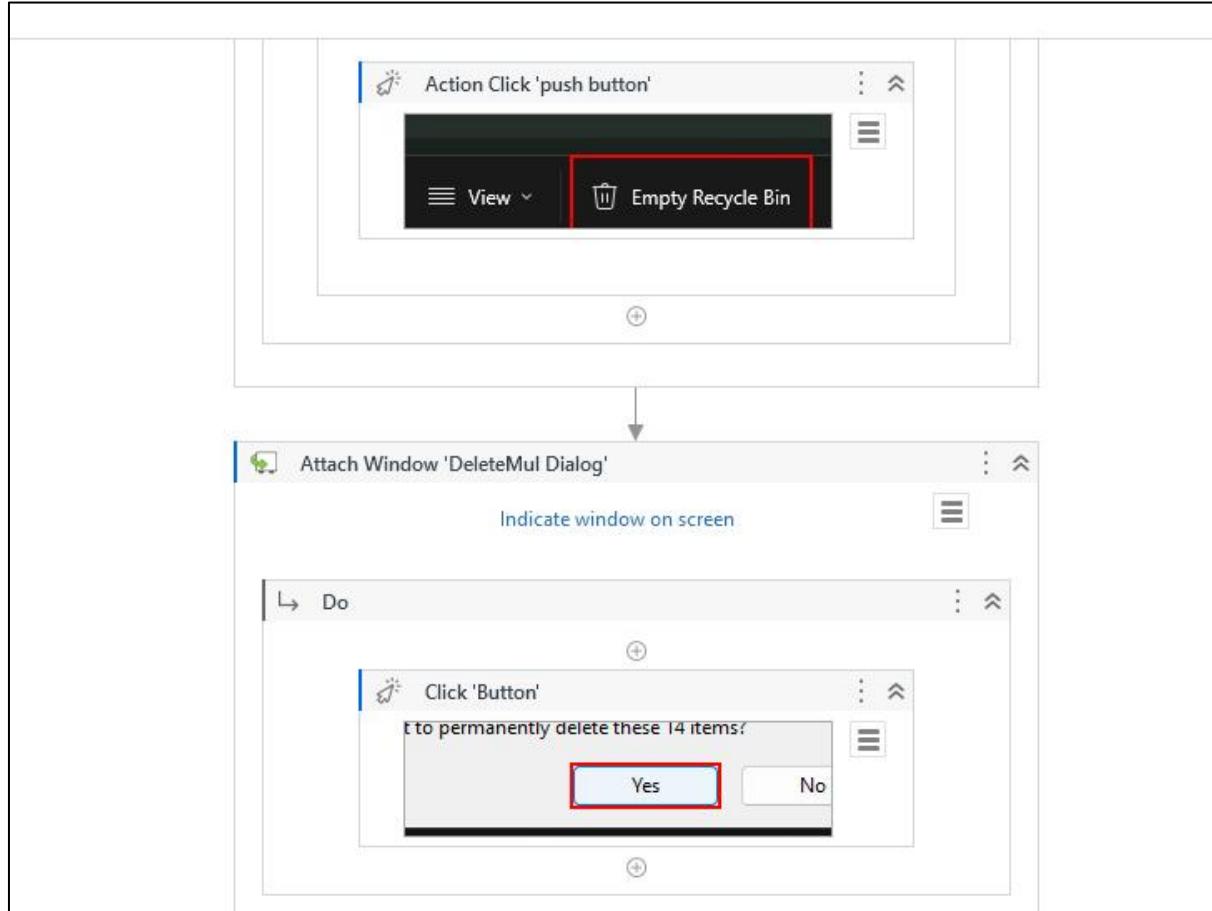
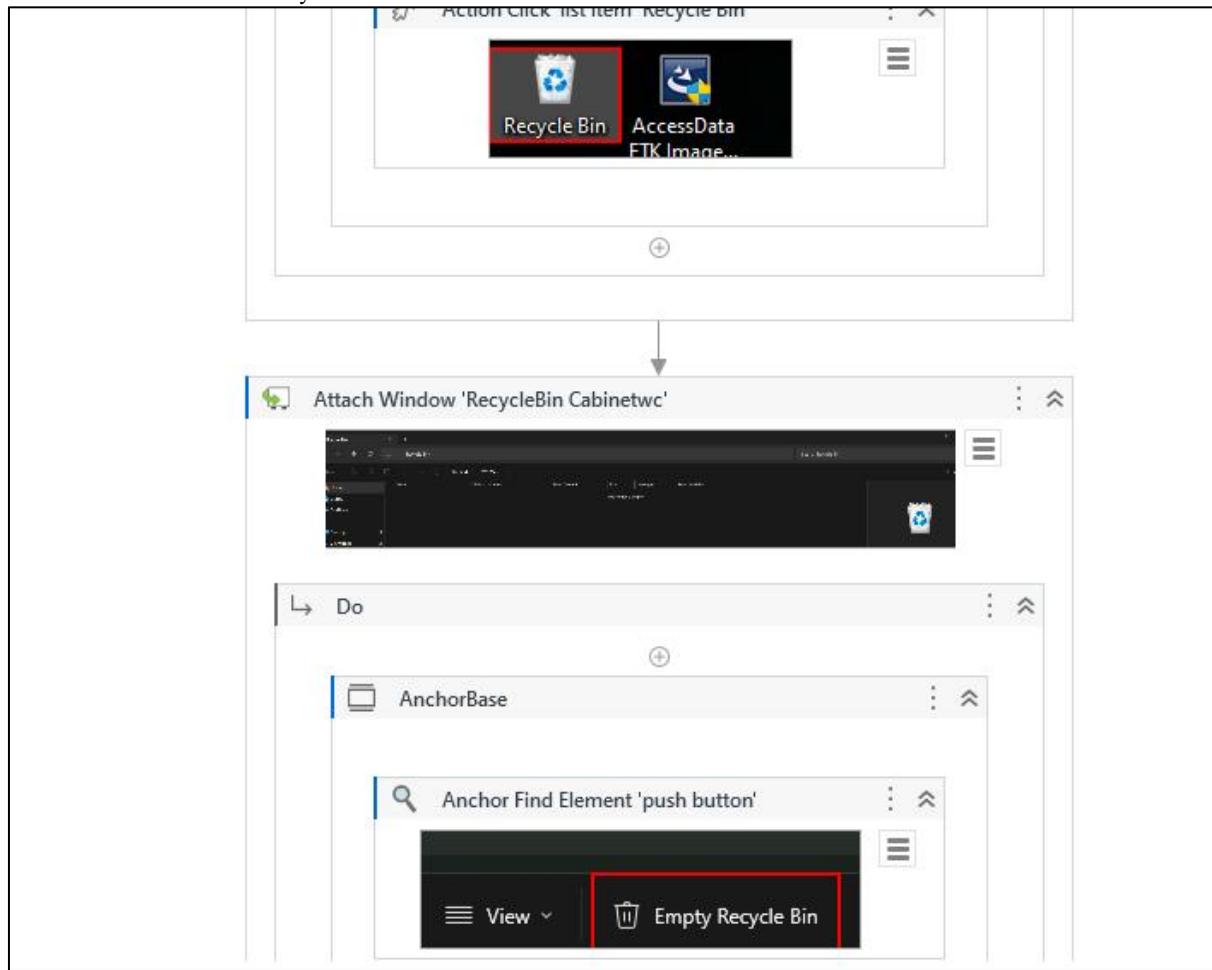


Aim:-1g) Automate any process using desktop recording.

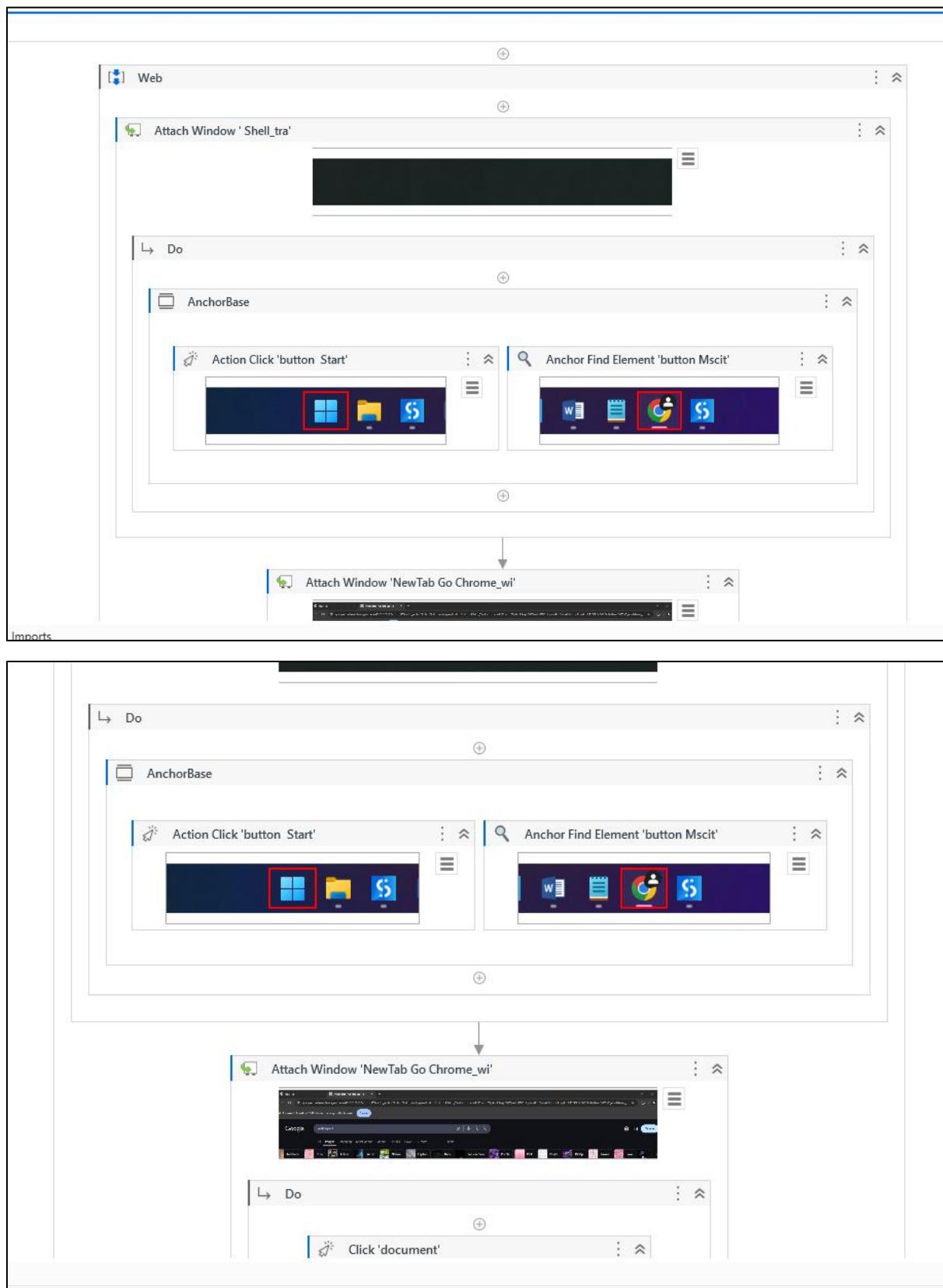
1) Click on Design Tab then App/Web Recorder drop down and start desktop recording then start recording the steps and at last save the file and then run the file.

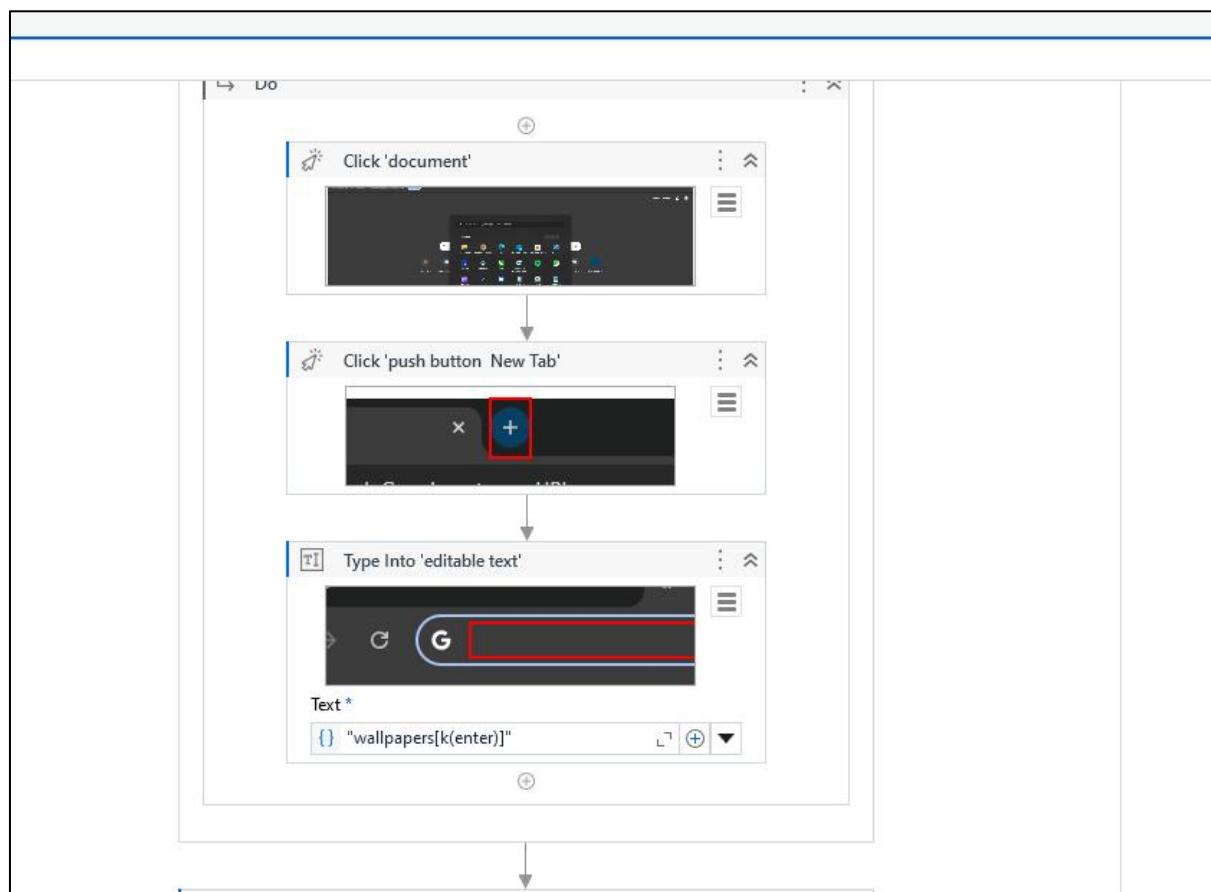
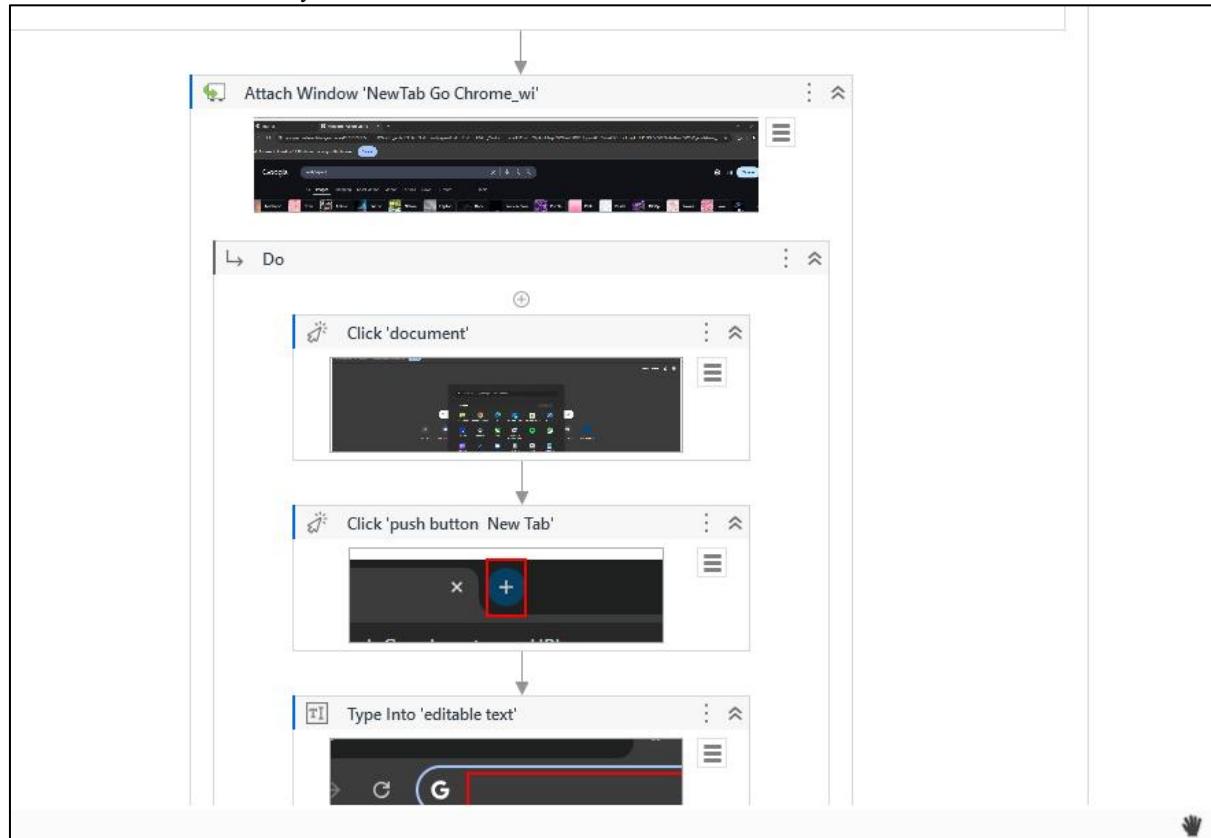






Aim:-1h) Automate any process using web recording





Type Into 'editable text'

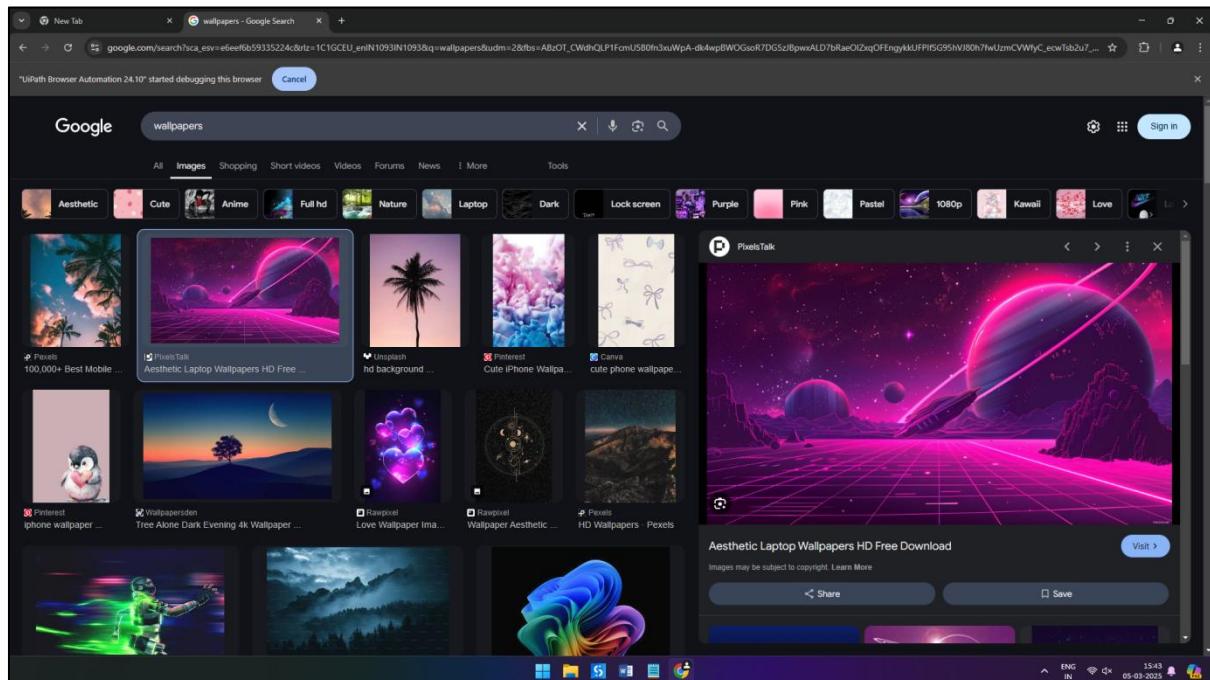
Text * `{ "wallpapers[k(enter)]"`

Attach Browser 'Wallpaper Page'

Do

Click 'SVG'

Click 'IMG dimg_GiPIZ4GBG7na1...'



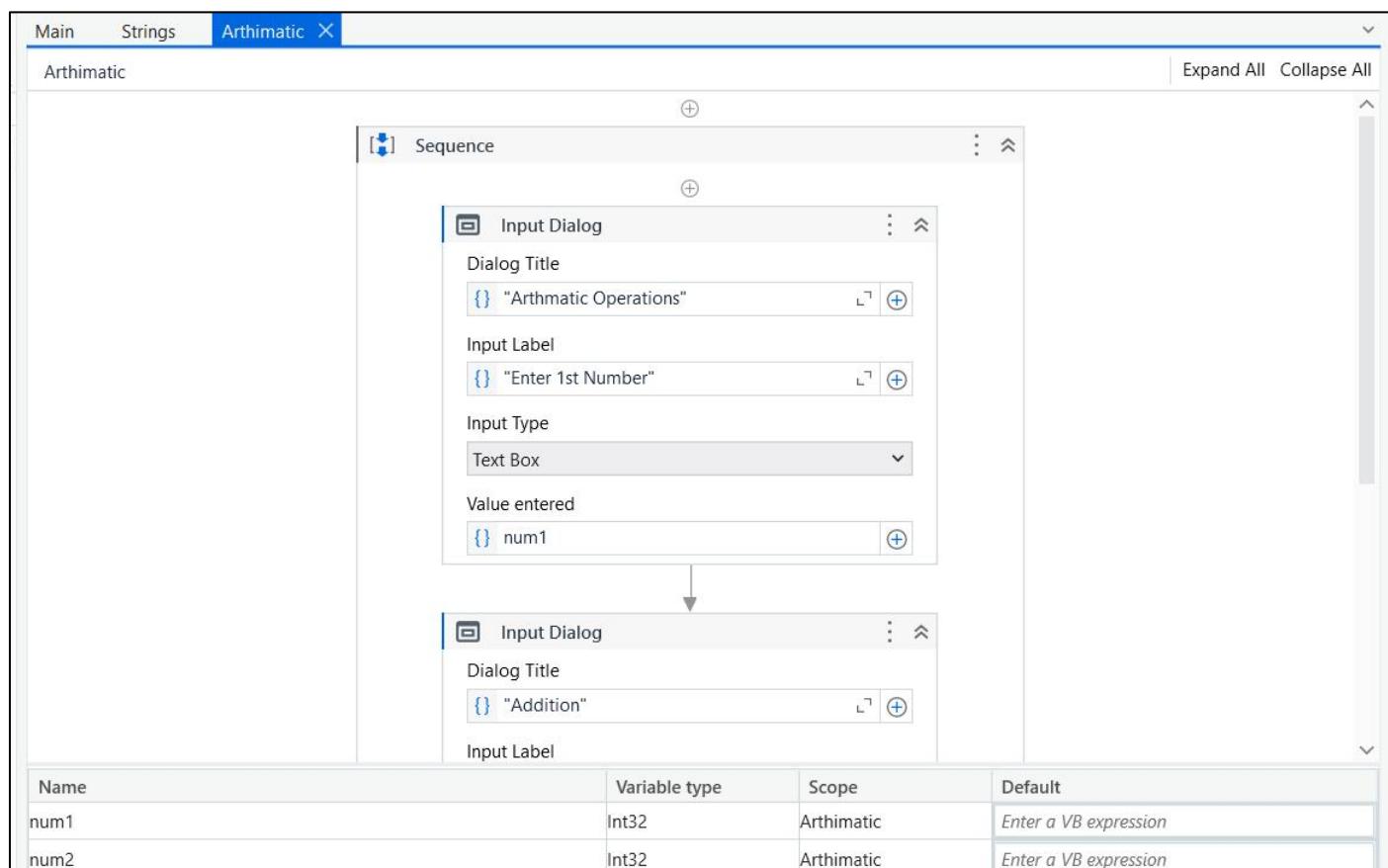
Module 2 Practical 2

Aim:- Data Manipulation

Contents:-Data Manipulation: Variables and scope, Collections, Arguments –Purpose and use, Data table usage with examples, Clipboard management, File operation with step-by-step example, CSV/Excel to data table and vice versa (with a step-by-step example)

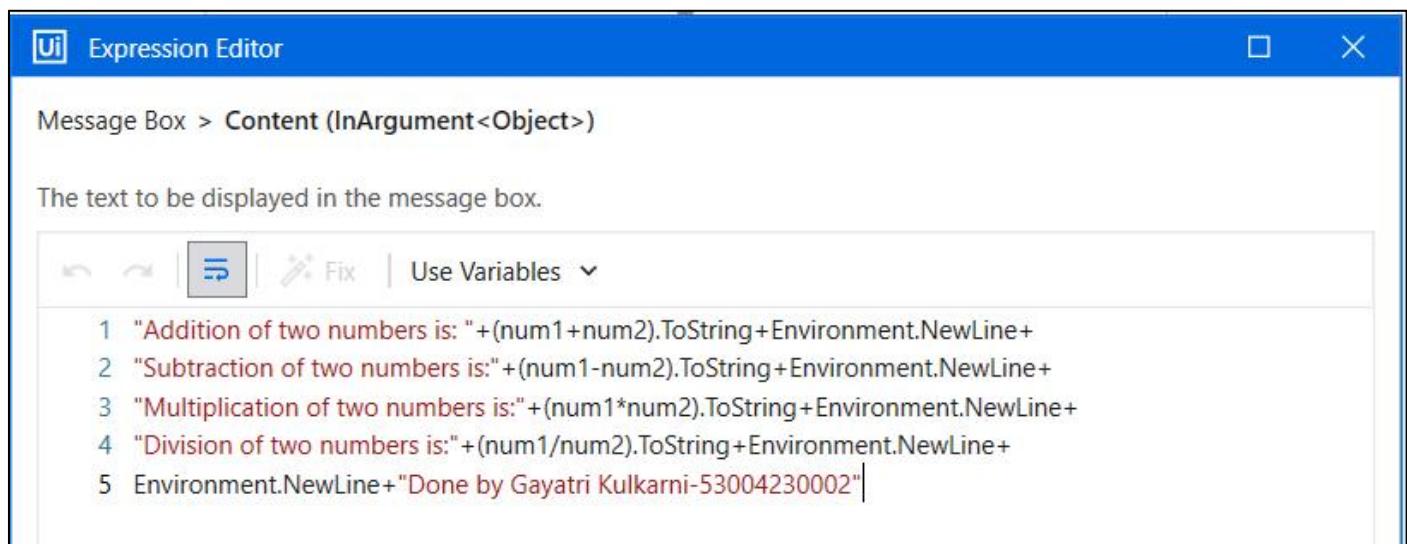
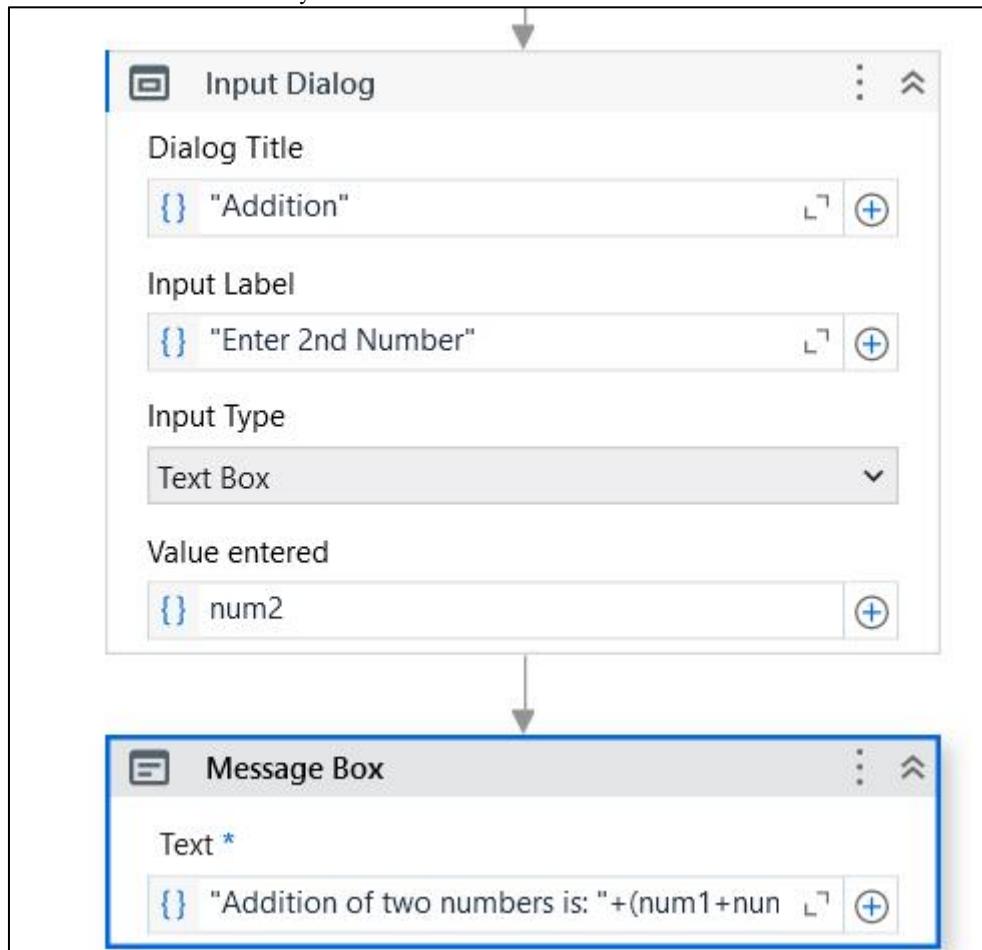
Aim:-2a) Automate UiPath Number Calculation (Subtraction,Multiplication, Division of numbers).

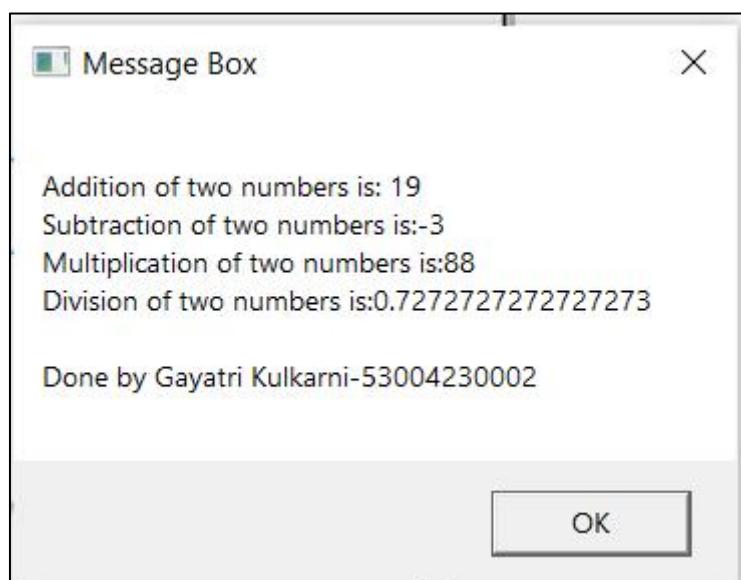
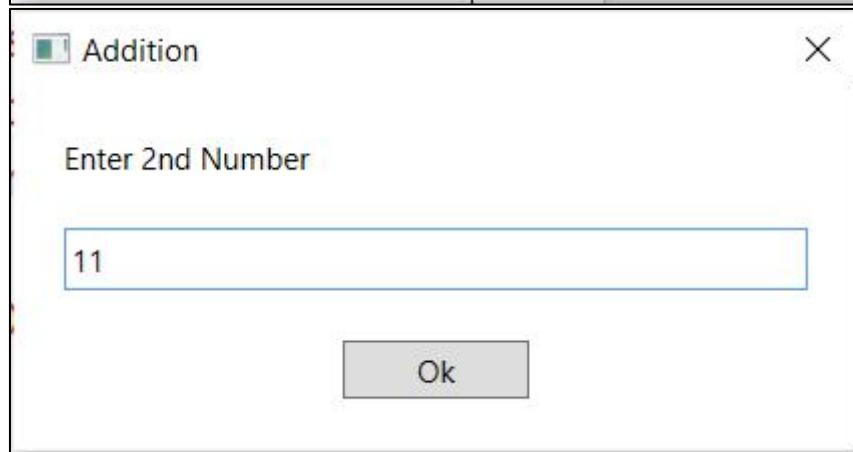
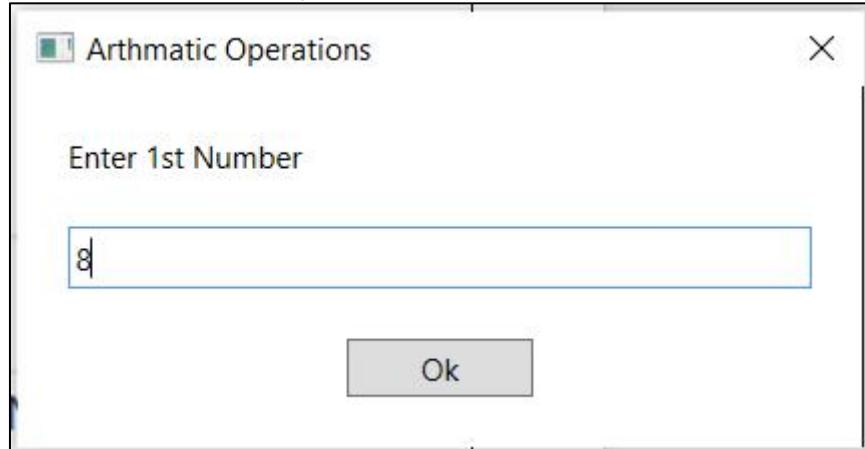
1)Create a sequence project then drag and drop Input Dialog Box in Input Label type “Enter 1st Number” and set value as num1 by declaring variable and type as Int32



2) Create a sequence project then drag and drop Input Dialog Box in Input Label type “Enter 2nd Number” and set value as num2 by declaring variable and type as Int32

3) Then add a Message Box with a text as shown below. This will help to display the output in the form of message box.

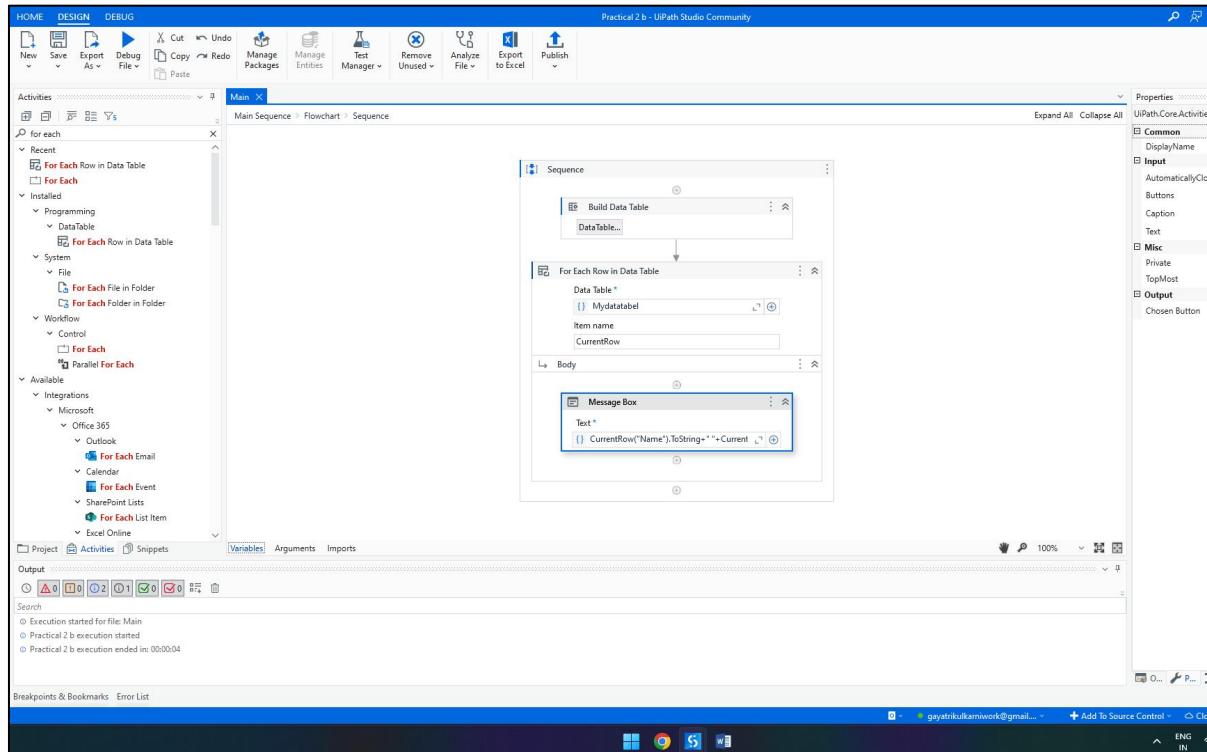


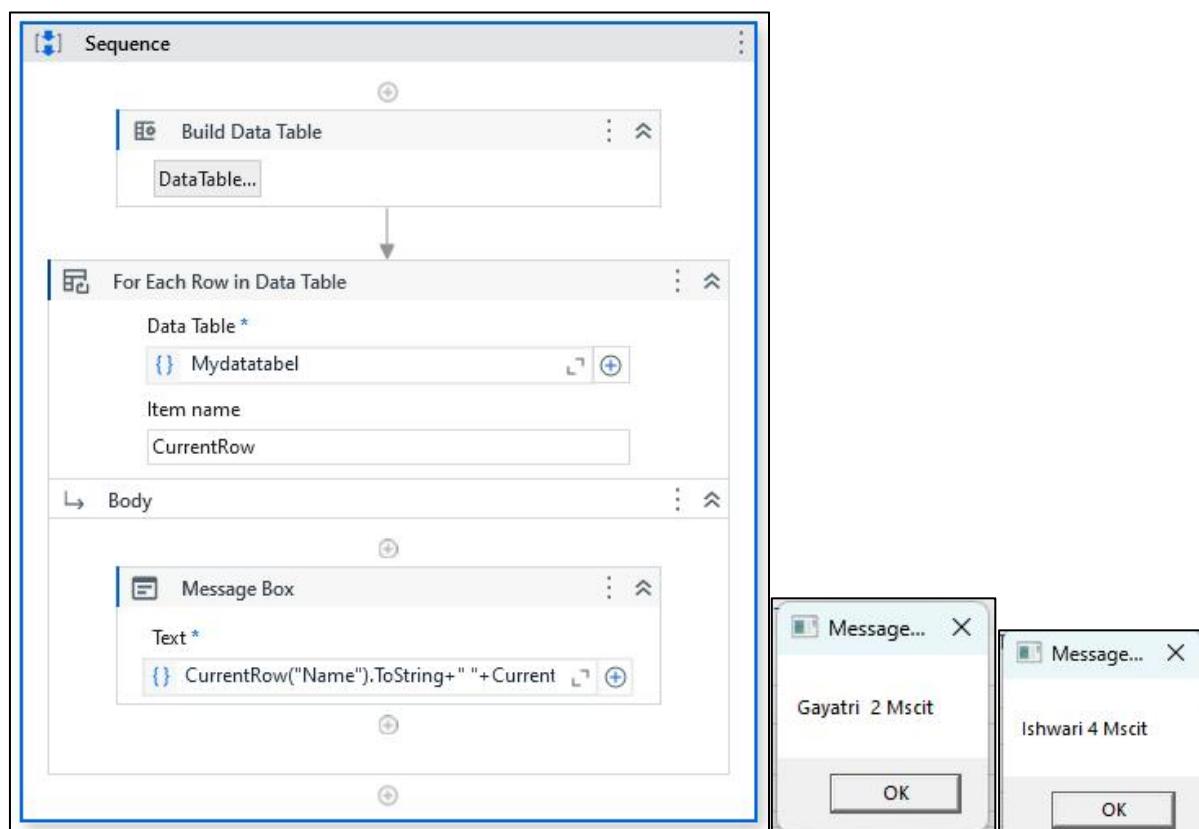
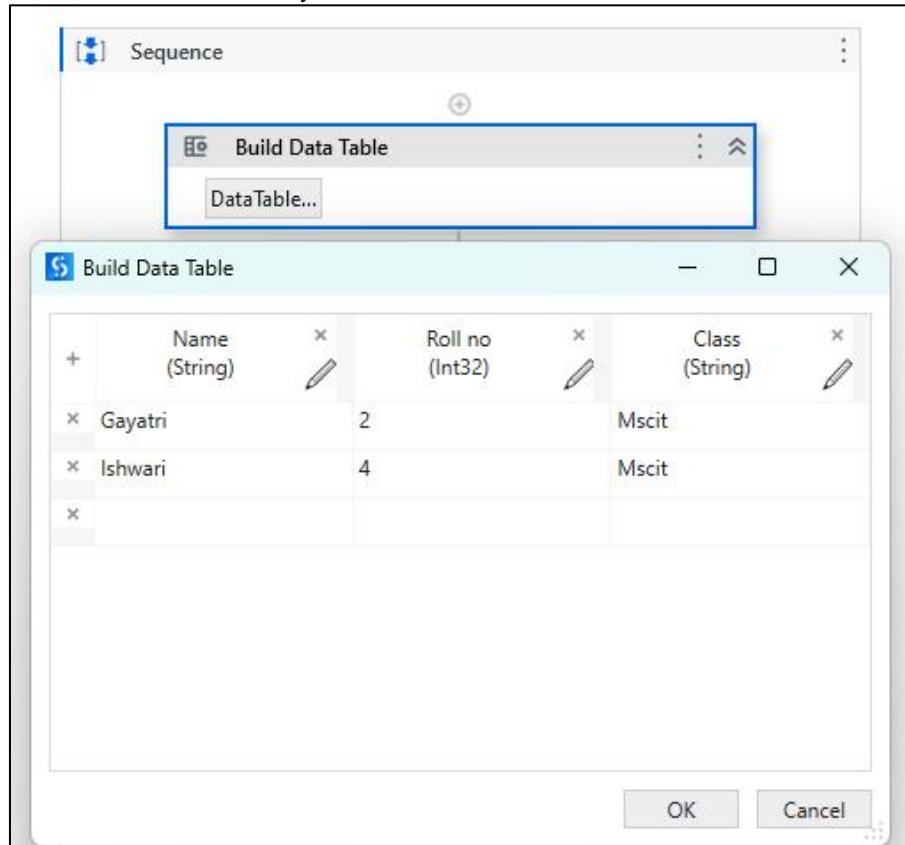


Aim:-2b) Create an automation UiPath project using different types of variables (number, datetime, Boolean, generic, array, data table)

1) Start by placing sequence table in design panel.

2) Drag and drop Build Data Table from activities then insert the data into table by double clicking on it. Then use the edit pencil like icon to change names of rows and columns and add more rows by pressing an Enter. Then click on OK to save.



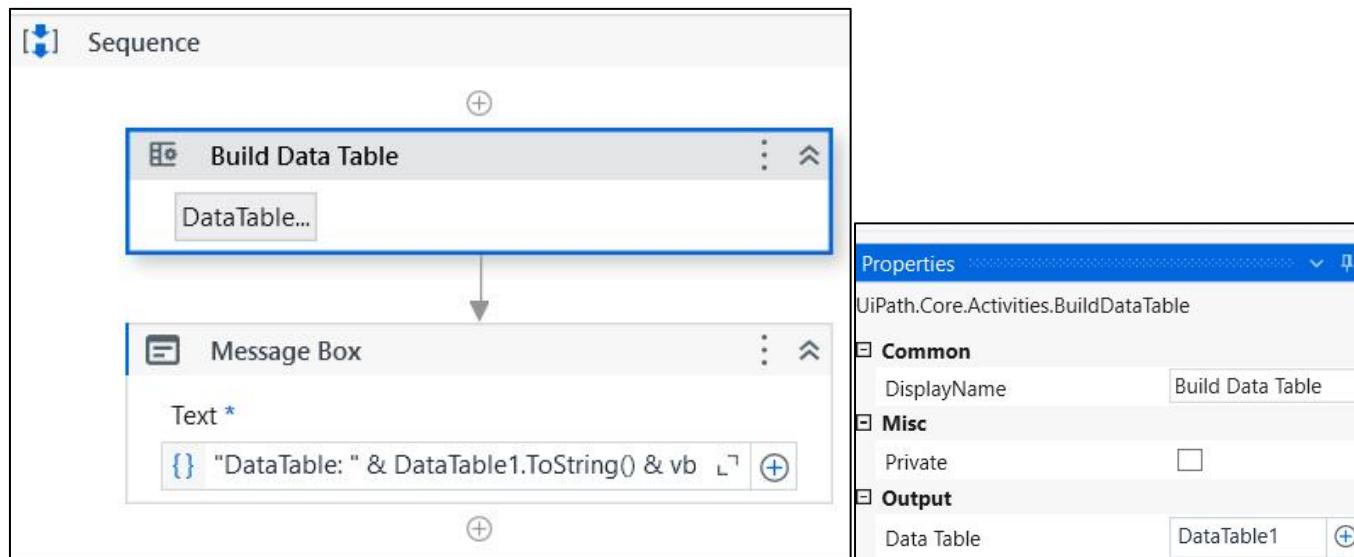


- 4) Drag and drop message box in Body section and write this in Message Box

`CurrentRow("Name").ToString() + CurrentRow("Roll no").ToString() + CurrentRow("Class").ToString()`

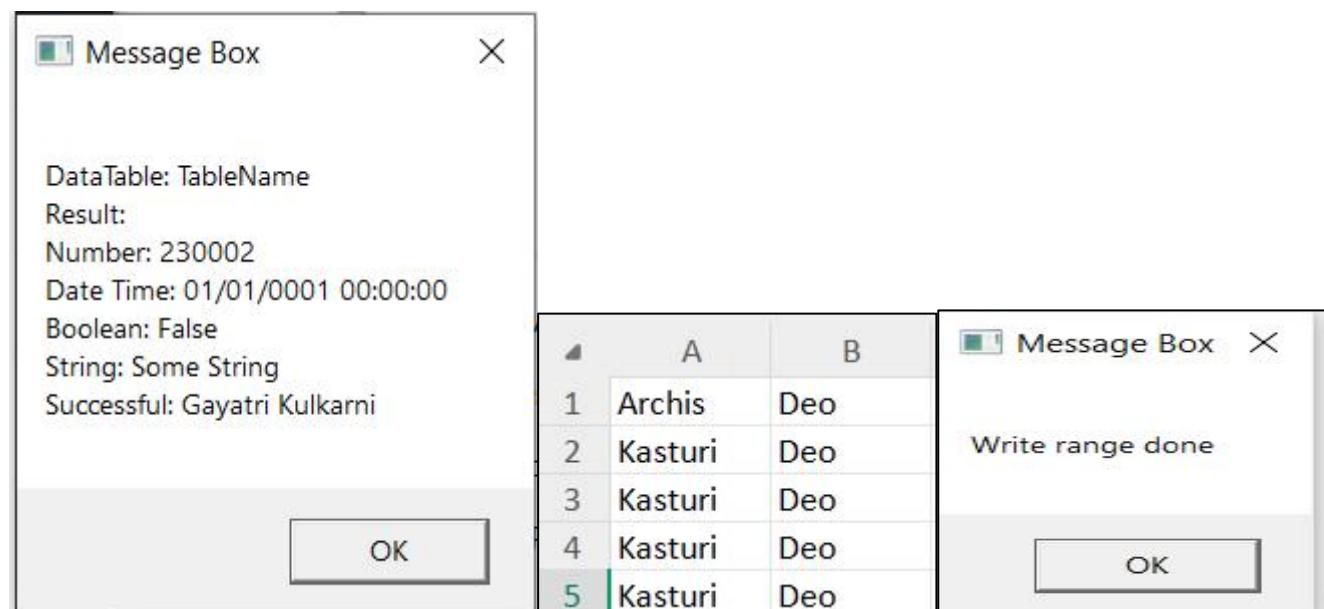
Aim:-2c) Create an application automating the read, write and append operation on excel file.

1)Create a sequence project drag and drop Sequence and Bulid Data Table and Message Box and change the properties as shown below. In properties set Output as **DataTable1** will show the result in message box declare variables to show.



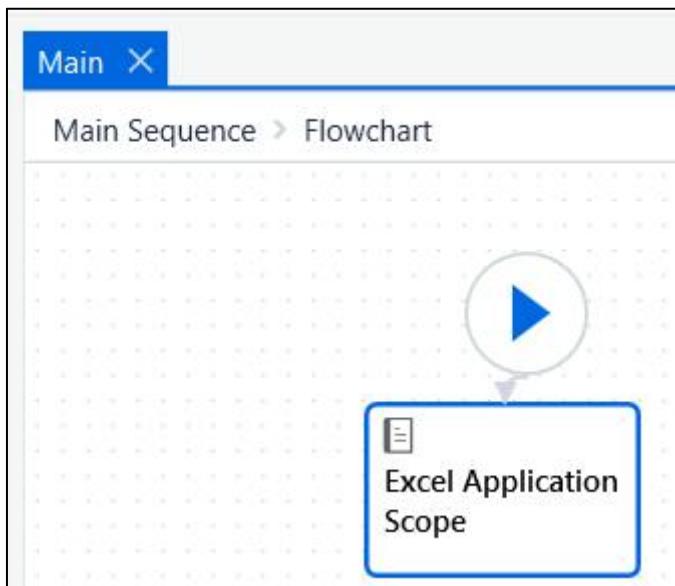
Name	Variable type	Scope	Default
datatables	DataTable	Do	Enter a VB expression
result	String	Do	Enter a VB expression
dt	DataTable	Do	Enter a VB expression

Name	Variable type	Scope	Default
x	Int32	Sequence	230002
name	String	Sequence	"Gayatri Kulkarni"
result	String	Sequence	Enter a VB expression
datetime	DateTime	Sequence	Enter a VB expression
DataTable1	DataTable	datetime	Enter a VB expression



2)In message box just type variables to display them.

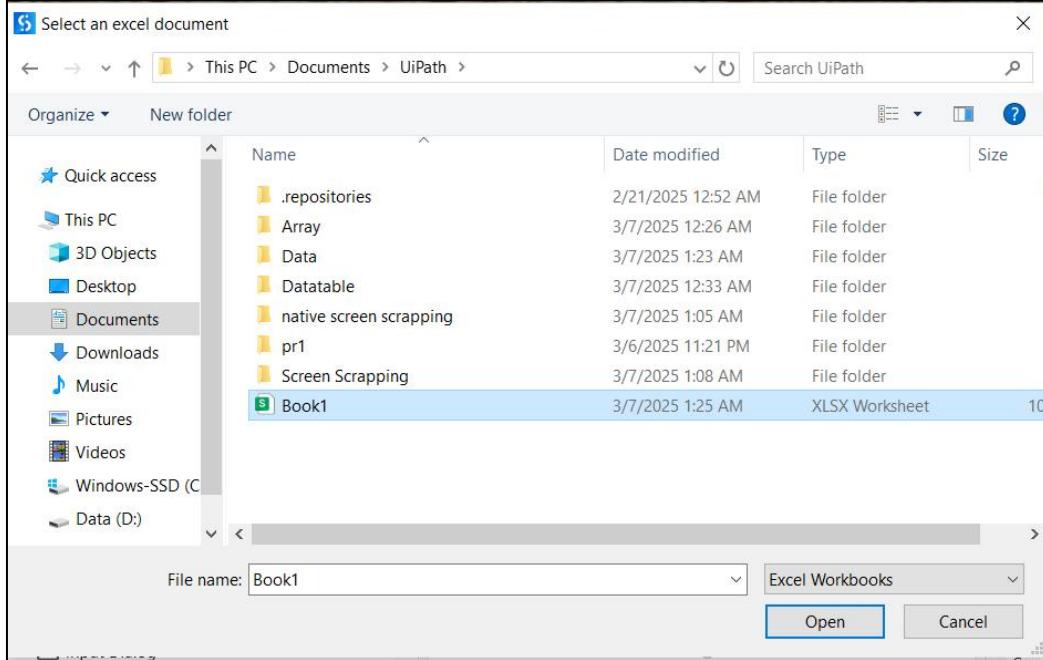
Aim:-2d) Automate the process to extract data from an excel file into a data table and vice versa



Name	Variable type	Scope	Default
result	String	Do	Enter a VB expression
excelDataTable	DataTable	Flowchart	Enter a VB expression
<i>Create Variable</i>			

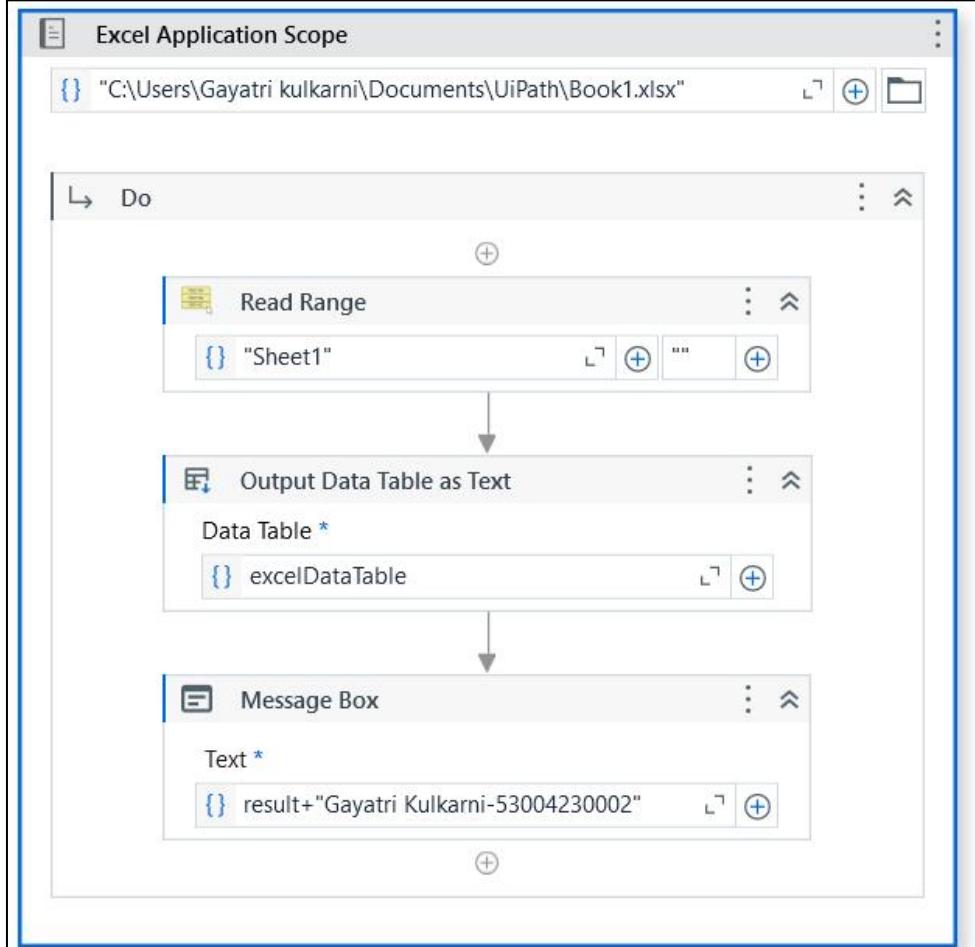
1) In this Practical we need to create and save the Excel file in UiPath folder. Drag and drop Flow Chart then Excel Application Scope right click and set it as start node.

	A	B
1	Name	Surname
2	Gayatri	Kulkarni
3	Ishwari	Kulkarni
4	Archis	Deo
5	Kasturi	Deo



The screenshot shows the properties of an "UiPath.Excel.Activities.ExcelReadRange" activity. The "Input" section is expanded, showing "Range" set to "" and "SheetName" set to "Sheet1". Under "Options", "Add headers" is checked. Under "Output", "DataTable" is declared as "excelDataTable". To the right, the "Expression Editor" is open, showing the message box content: "1 result + \"Gayatri Kulkarni-53004230002\"".

2) Drag and Drop Read Range and then select file and enter sheet name and declare **excelDataTable** to save output.



Name	Variable type	Scope	Default
excelDataTable	DataTable	Flowchart	Enter a VB expression



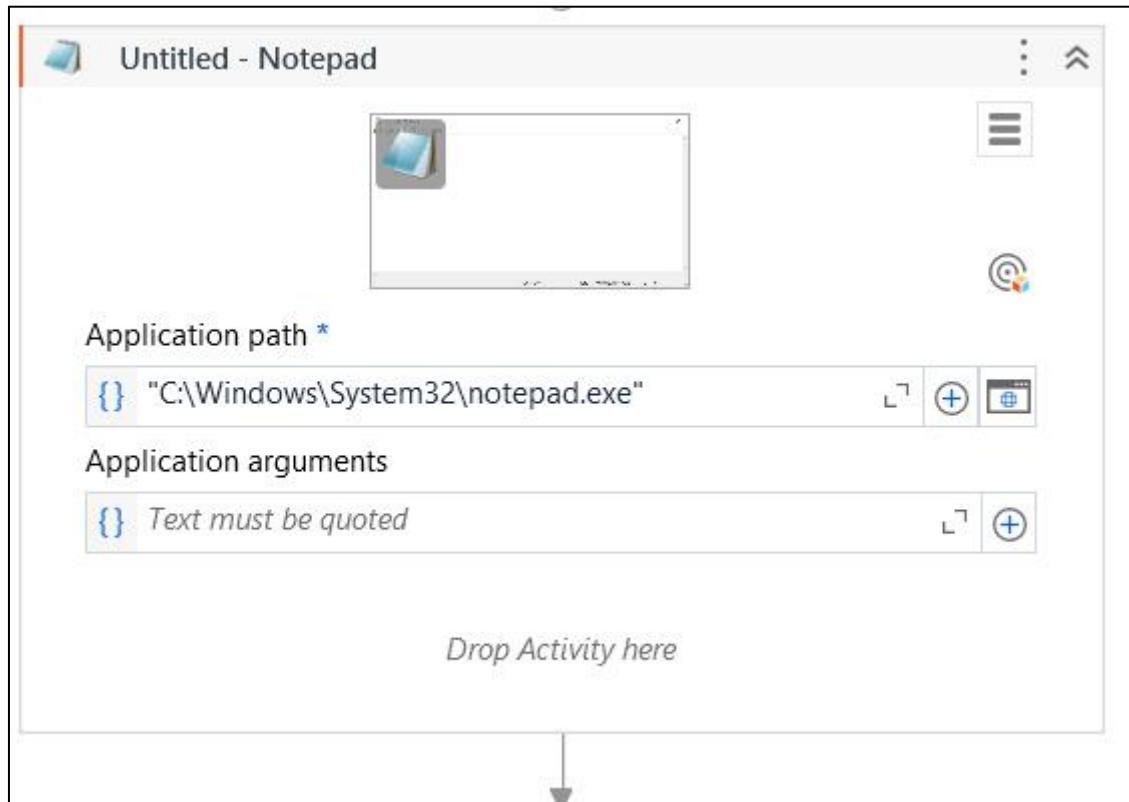
Module 3 Practical 3

Aim:-Taking Control of the Controls Handling User Events and Assistant Bots

Contents:- Taking Control of the Controls: Finding and attaching windows, Finding the control, Techniques for waiting for a control, Act on controls – mouse and keyboard activities, Working with UiExplorer, Handling events, Revisit recorder, Screen Scraping, When to use OCR, Types of OCR available, How to use OCR. Handling User Events and Assistant Bots: What are assistant bots? Monitoring system event triggers, Hotkey trigger, Mouse trigger, System trigger, Monitoring image and element triggers, An example of monitoring email, Example of monitoring a copying event and blocking it, Launching an assistant bot on a keyboard event

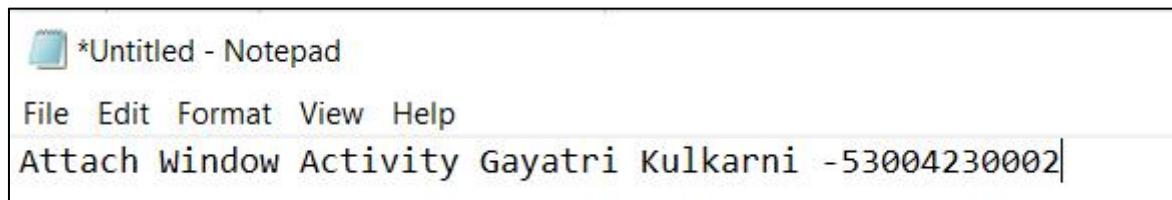
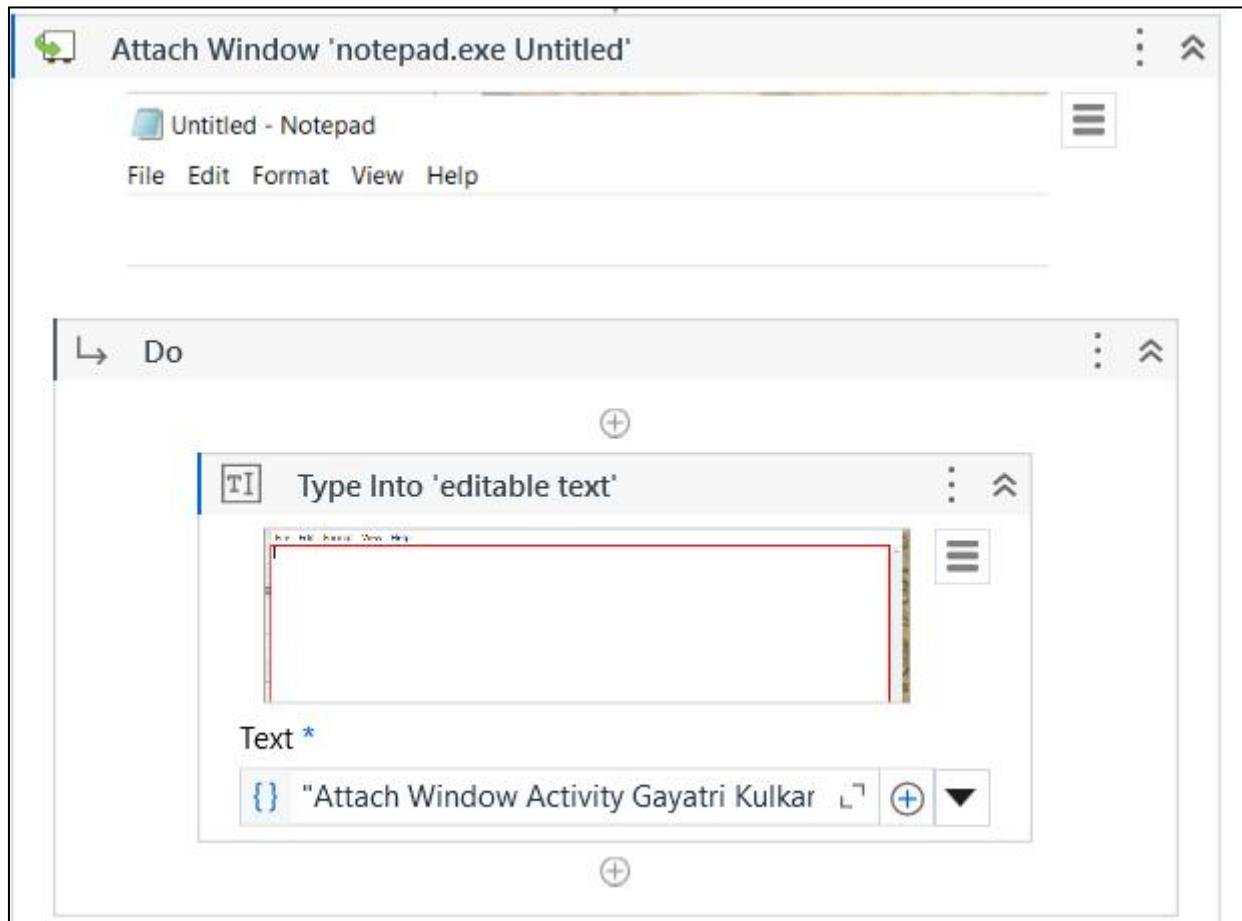
Aim:-3a) Implement the attach window activity.

- 1) Create a blank project and give it a meaningful name.
- 2) Drag and Drop a FlowChart activity on the Click activity inside the Designer Panel. Set this Click activity as Start Node.
- 3) Double -Click on activity and then click on Indicate on Screen. Locate the NotePad icon.



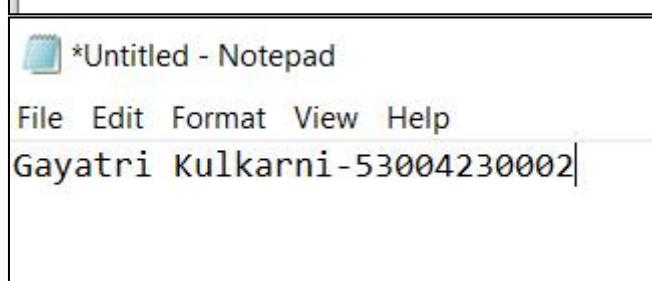
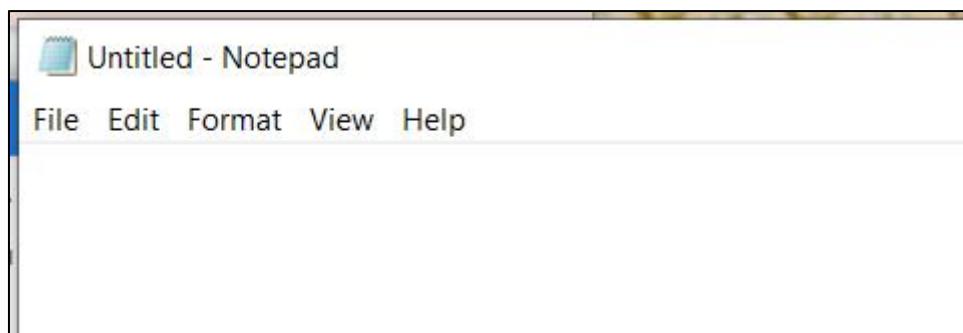
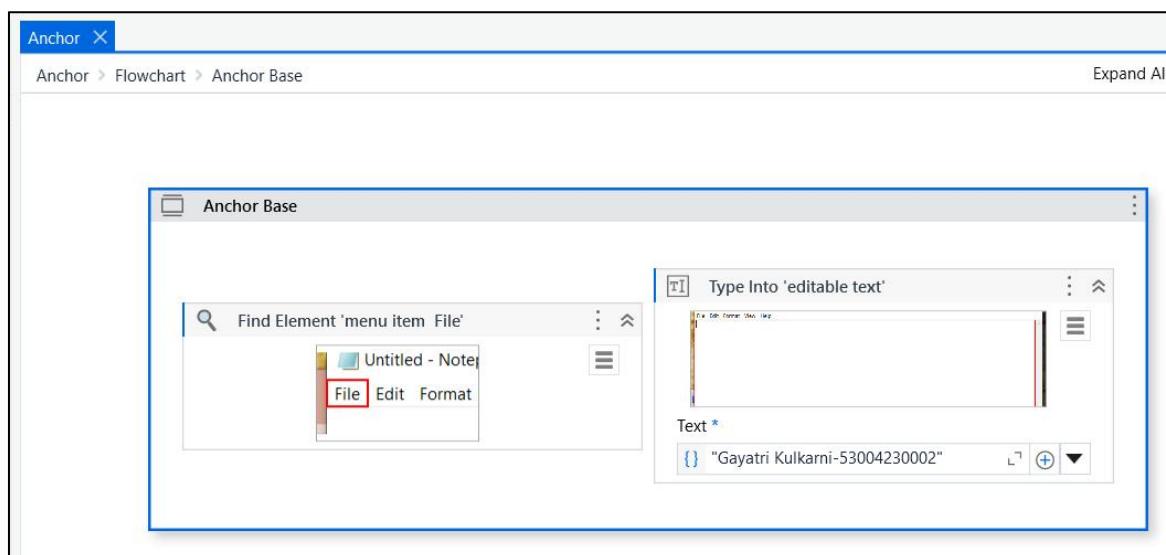
- 4) Drag and drop Attach Window activity on the main Designer panel. Connect the Attach Window activity to the Click Activity.
- 5) Double-Click on Attach Window activity, Click on Click Window on Screen and indicate the Notepad window. The Notepad Window is now attached to previous activity.

6) For completeness drag and drop Type Into activity , inside the Attach Window activity.Click on the Indicate element inside Window and locate the Notepad window where you want to write text.Type Text and Hit Run.

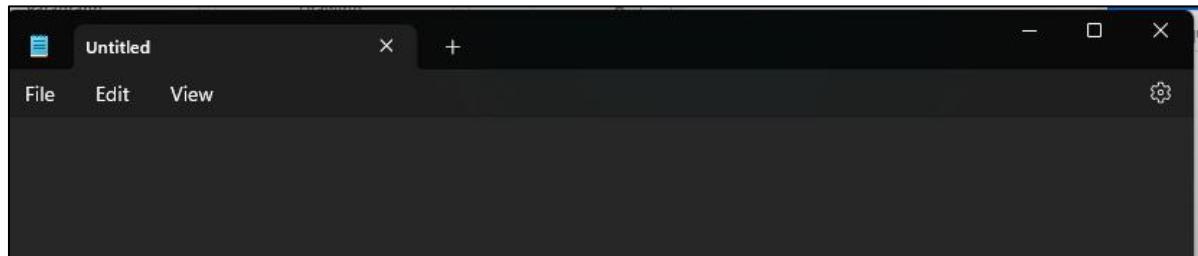
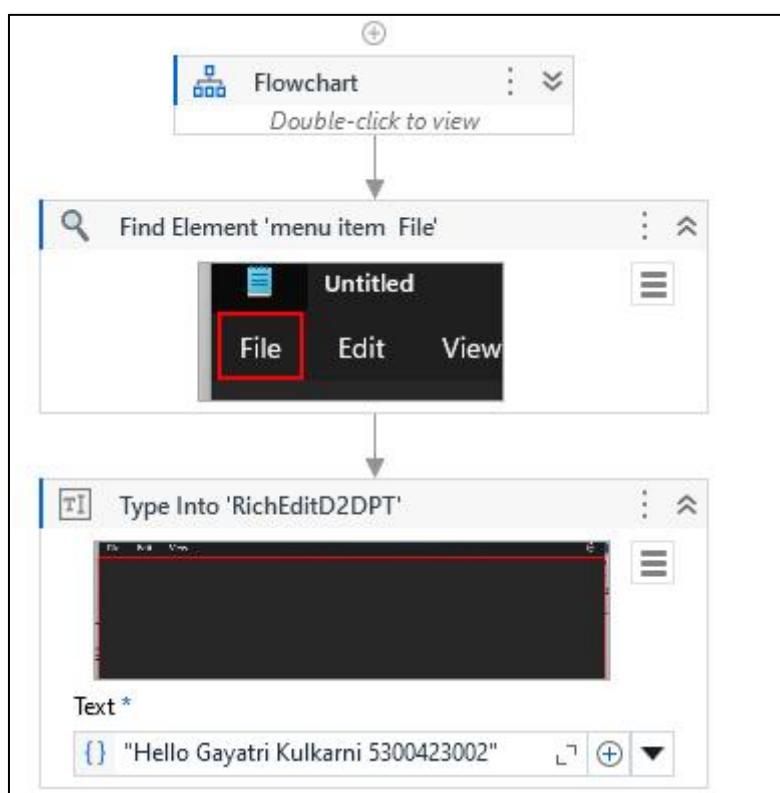
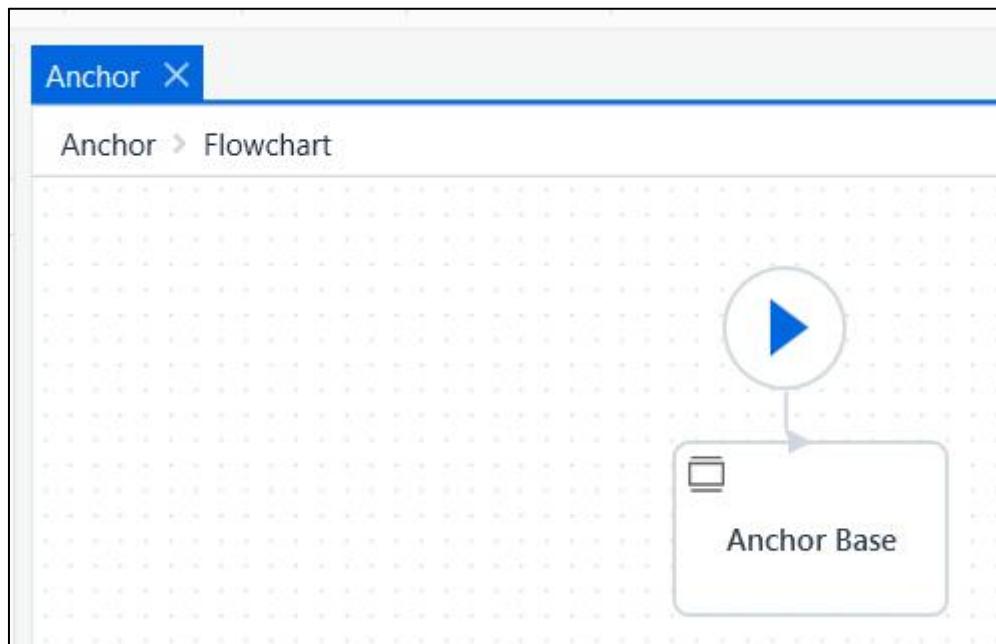


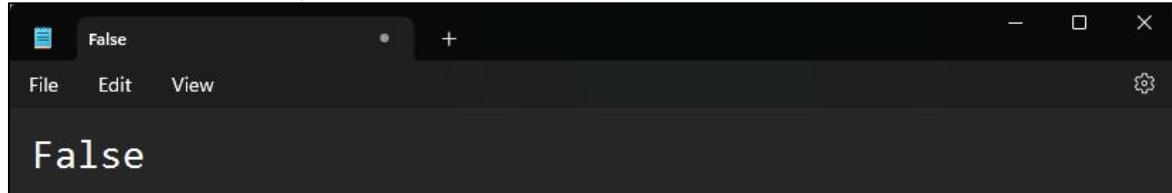
Aim:-3b)Find different controls using UiPath.

- 1) Create a blank project and give it a meaningful name.
- 2) Drag and Drop a FlowChart activity on the Click activity inside the Designer Panel and Anchor Base. Set this Click activity as Start Node.
- 3) Double -Click on Anchor Base then drag and drop Find Element and then add type into as shown below. Then click inside find element activity and then click on Indicate on Screen. Locate the NotePad File menu. Follow same for type into select notepad writing area here .In Text add text to display.



Aim:-3c) Demonstrate the following activities in UiPath: i. Mouse(click, double click and hover) ii. Type into iii.Type Secure Text





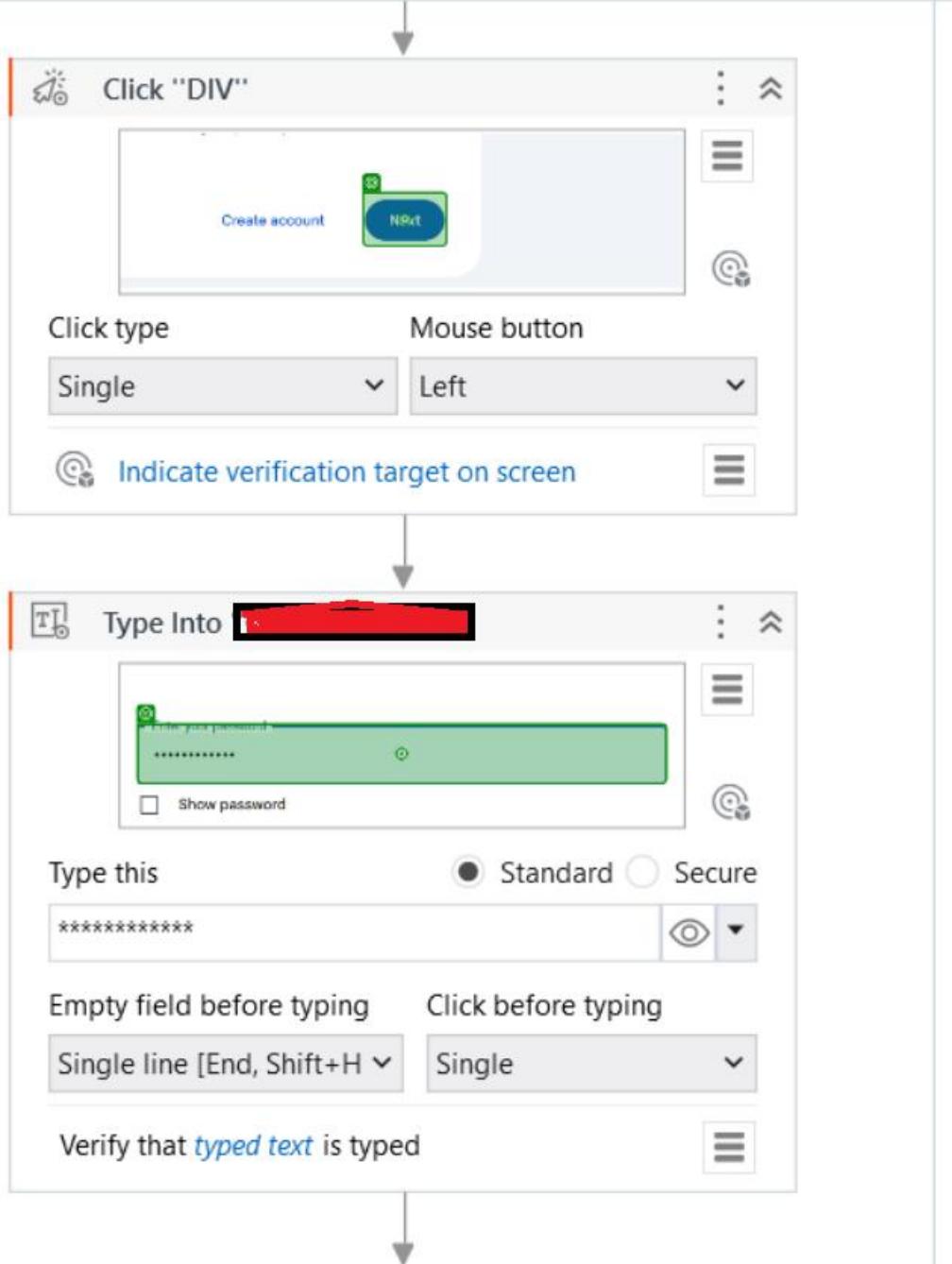
iii. Type Secure Text

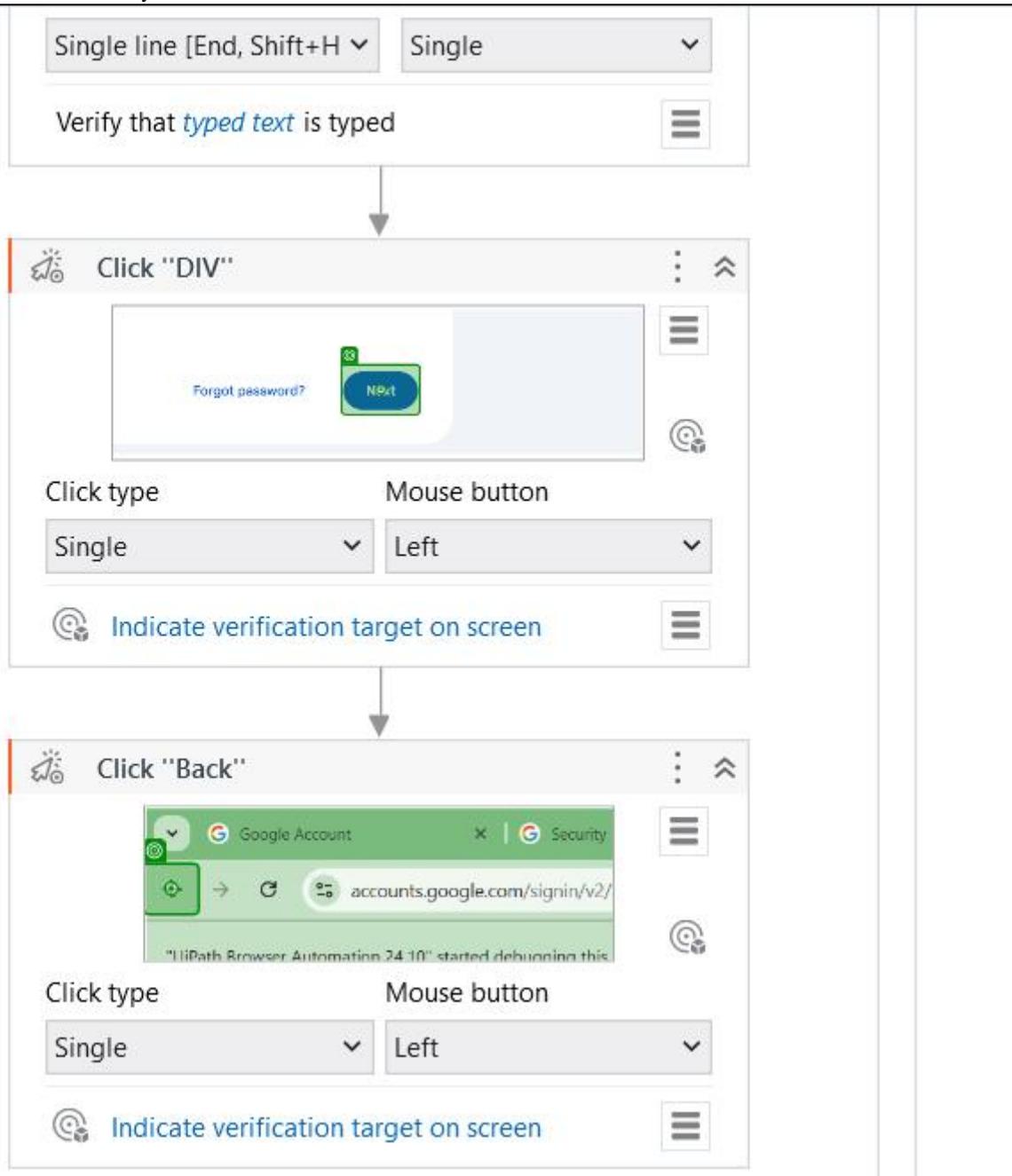
1) Start Recording and keep adding steps Gmail Sigin page is used to understand the working of secure Text.

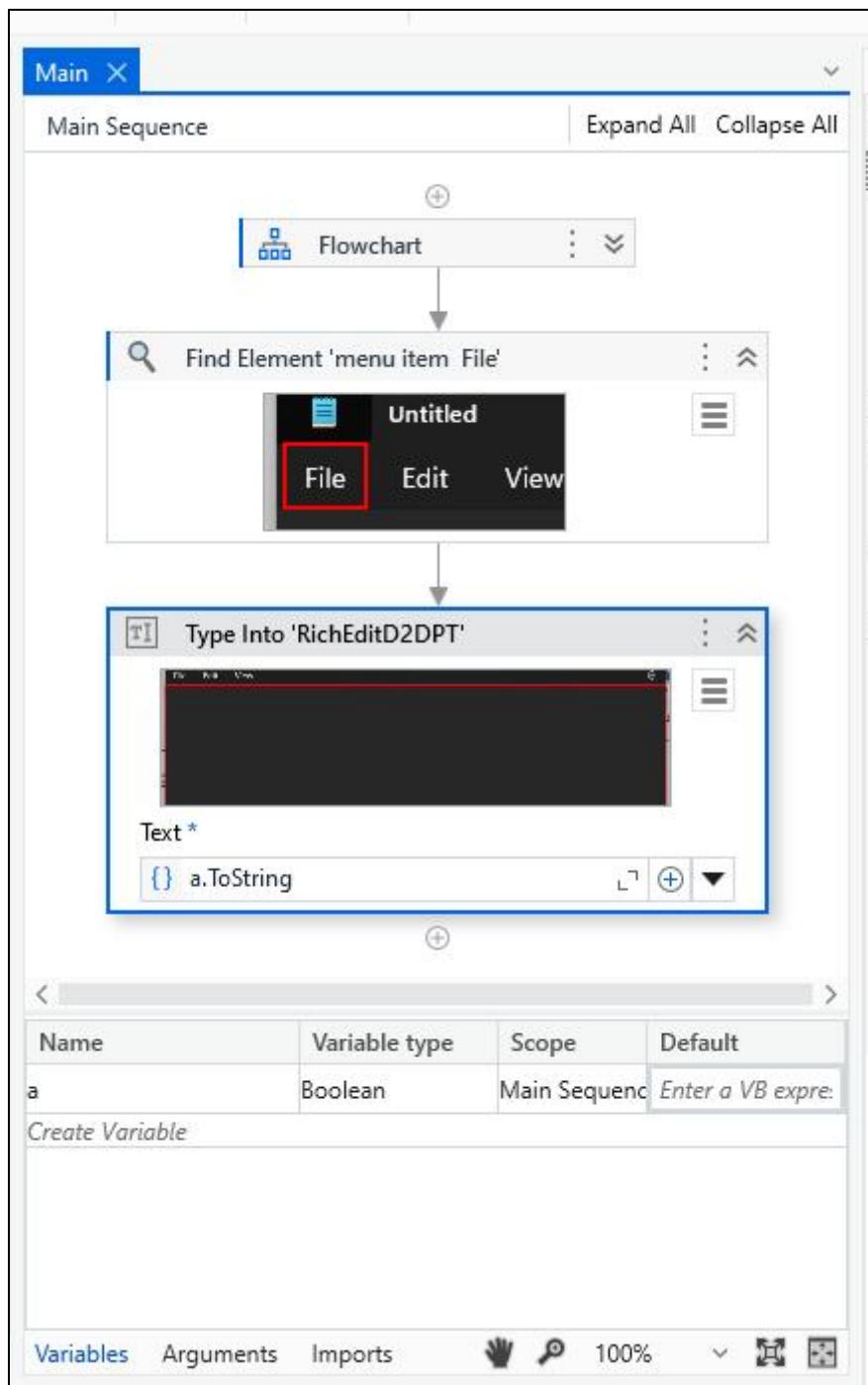
2) Start Recording and Follow all Sigin process of google and at the end save the file.

The screenshot shows a RPA tool interface with two main sections:

- Top Section (Browser Step):** A preview window shows a Google sign-in page with a large red box highlighting the email input field. Below it is a "Browser URL" input field containing "https://accounts.google.com/v3/signin/identifier?aut...".
- Bottom Section (Action Step):** A "Do" section contains a "Type Into 'INPUT identifierId'" step. It shows a preview of the same sign-in page with the email field highlighted. Configuration options include:
 - "Type this": "gayatrikulkarniwork@gmail.com"
 - "Standard" radio button selected (Secure is also available)
 - "Empty field before typing" and "Click before typing" checkboxes
 - "Single line [End, Shift+H]" and "Single" dropdowns
 - A "Verify that *gayatrikulkarniwork@gmail.com* is typed" checkbox

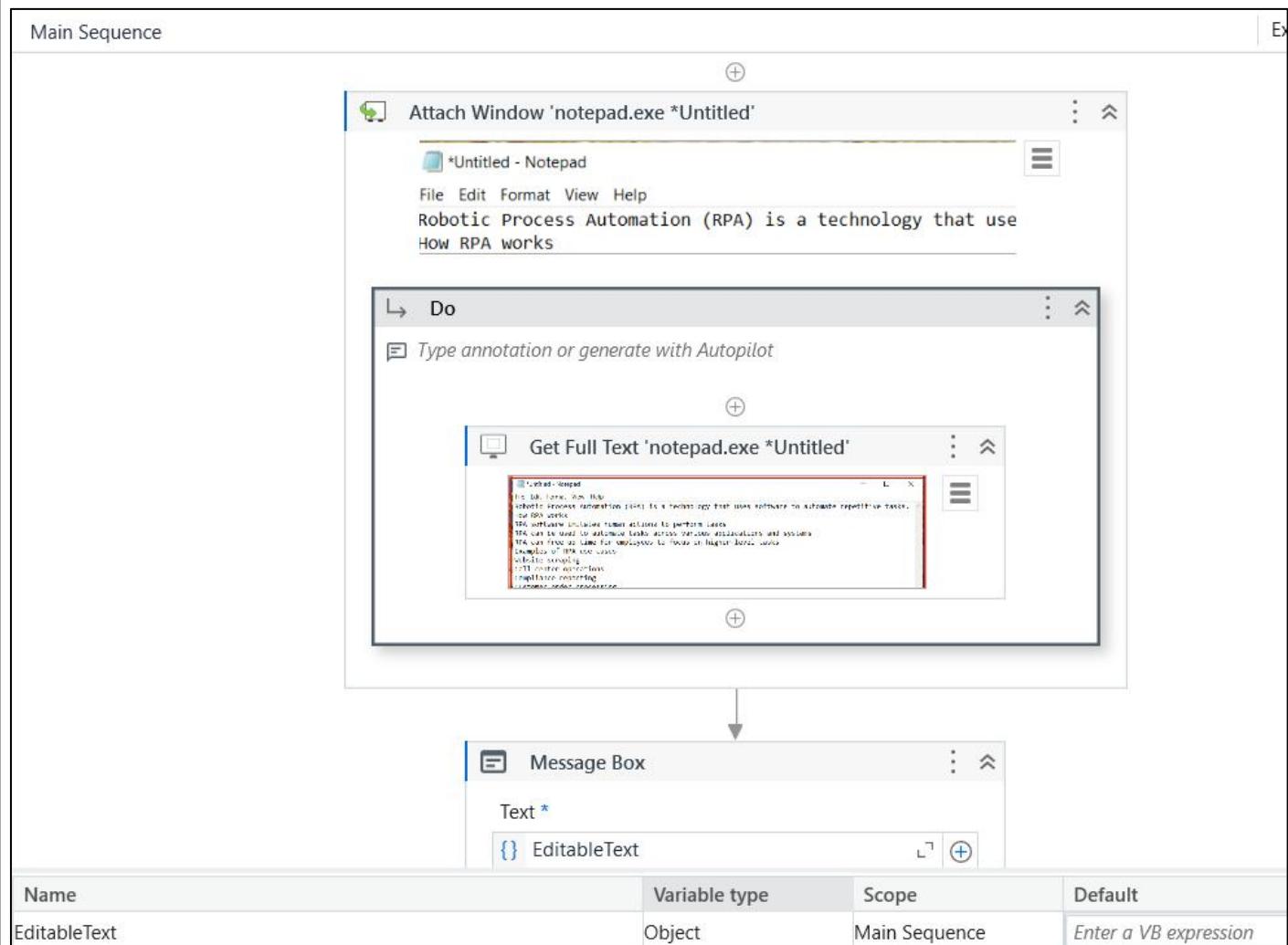




Aim:-3d)Demonstrate the following events in UiPath:**i. Element triggering event**

Aim:-3e) Automate the following screen scraping methods using UiPath

Full Test ii)Naive iii)OCR



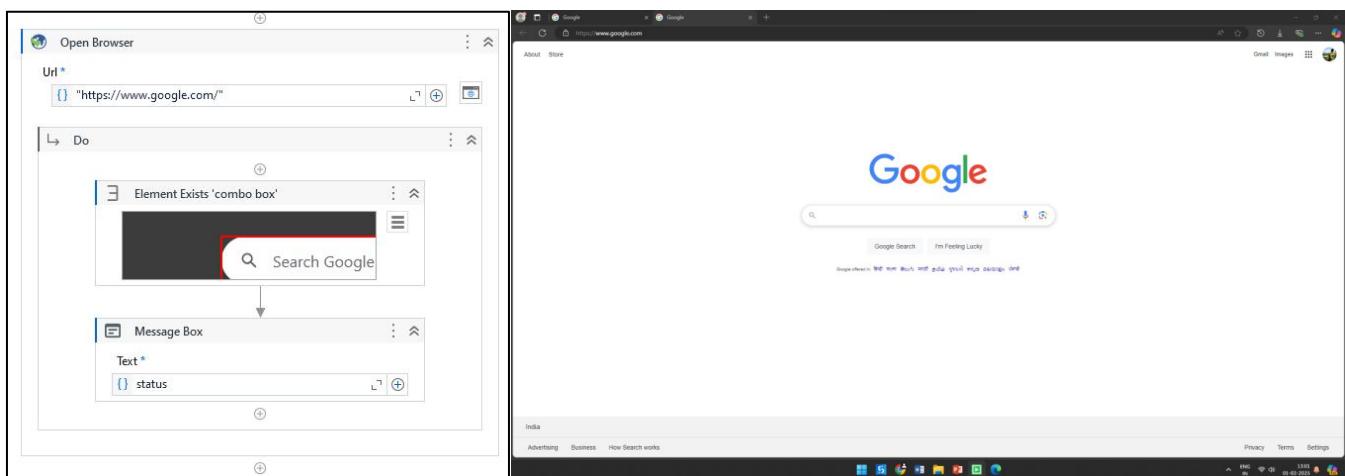


i. Native

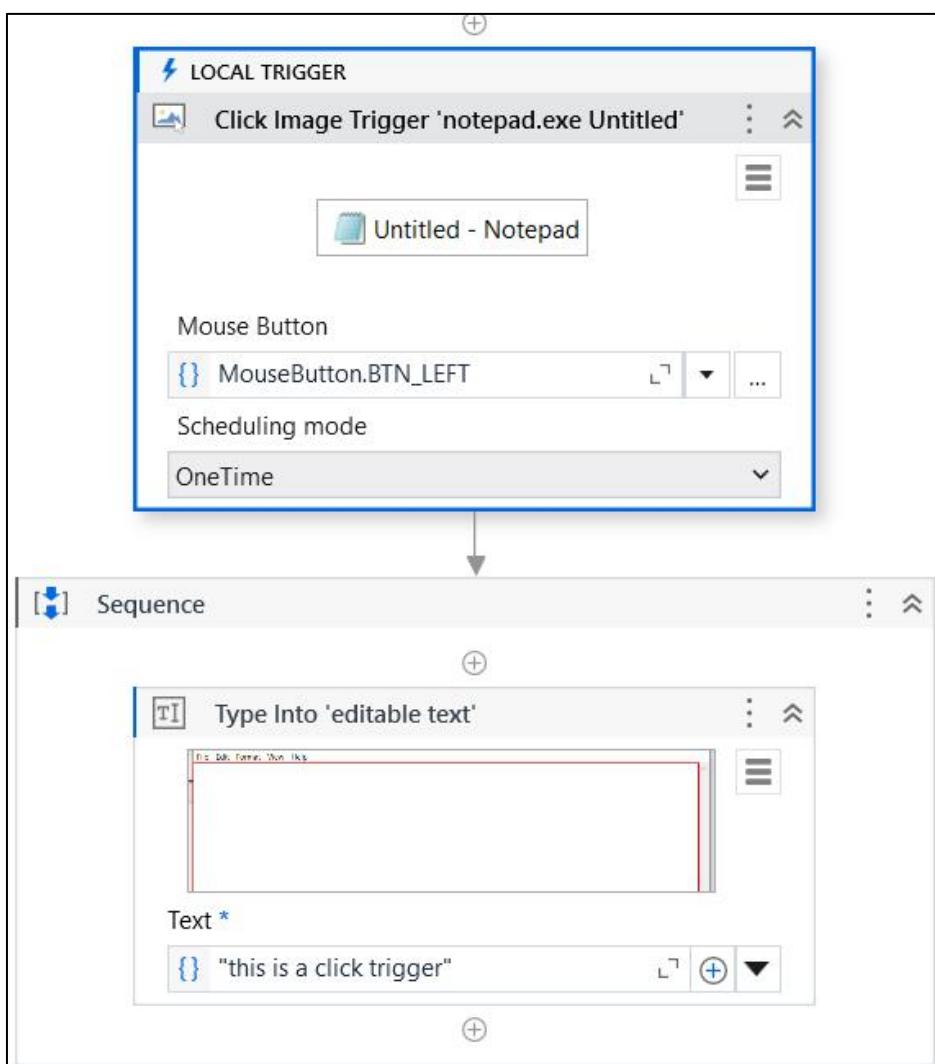
The screenshot shows the Microsoft Clipchamp interface with a native RPA workflow:

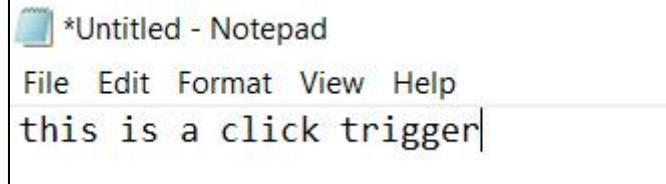
- Attach Window 'notepad.exe *Untitled'**: Shows a screenshot of a Notepad window with the text "Don't read success stories. You will get only message...".
- Do**: A step labeled "Type annotation or generate with Autopilot" is shown, with a sub-step "Get Full Text 'notepad.exe *Untitled'" which displays the same Notepad screenshot.
- Message Box**: A step where the extracted text "Don't read success stories. You will get only message..." is pasted into an "EditableText" field.
- Message Box**: A context menu for the pasted text, listing options like Next, Show Filmstrip, Add to favorites, File info, 1280 x 720, 117.4 KB, Visual search with Bing, View actual size, 86%, Zoom out, Zoom in, Fullscreen, Edit, Rotate, Delete, Print, Share, More options, and a file path 1682155838732.jpeg.

Aim:-3f) Automate the process of launching an assistant bot on a keyboard event



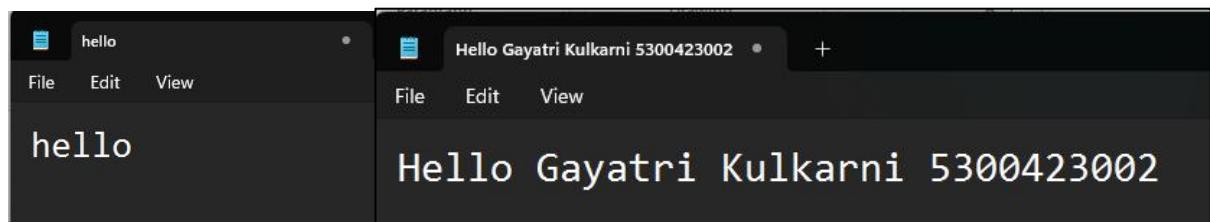
ii. Image triggering event





iii. System Triggering Event

A screenshot of a robotic process automation tool's configuration interface. The main window shows a sequence of actions: 1. A 'Type Into' action with the text 'hello'. 2. A 'Send Hotkey' action with the key 'enter'. 3. A 'Type Into' action targeting the window 'RichEditD2DPT' with the text 'Hello Gayatri Kulkarni 5300423002'. The interface includes various dropdown menus and toolbars.



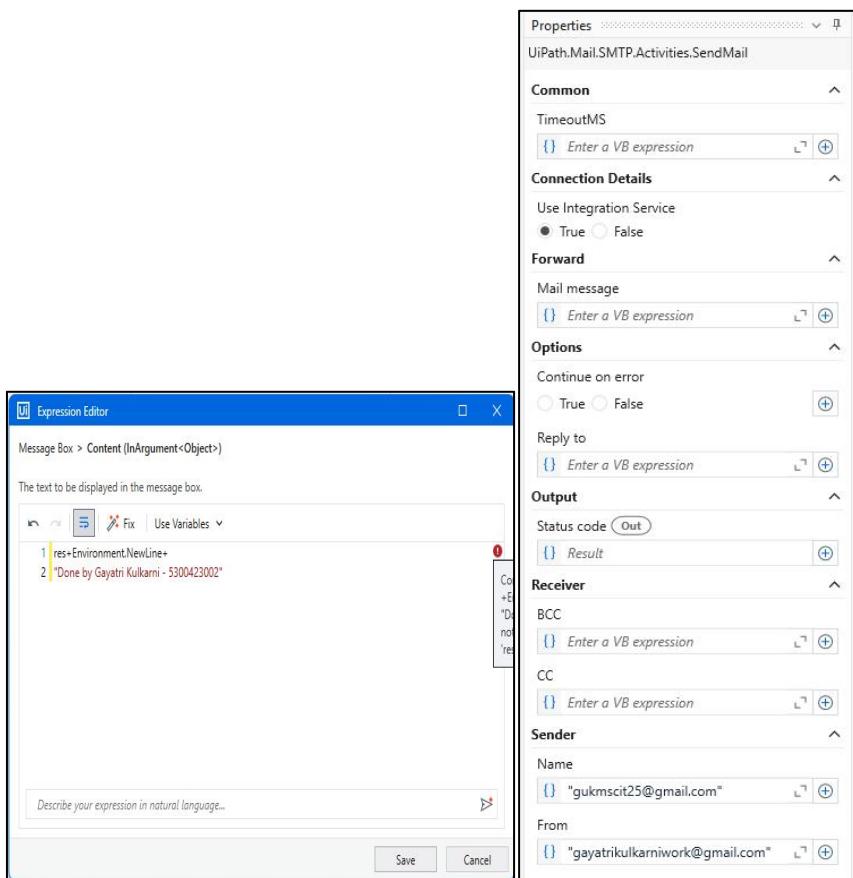
Module 4 Practical 4

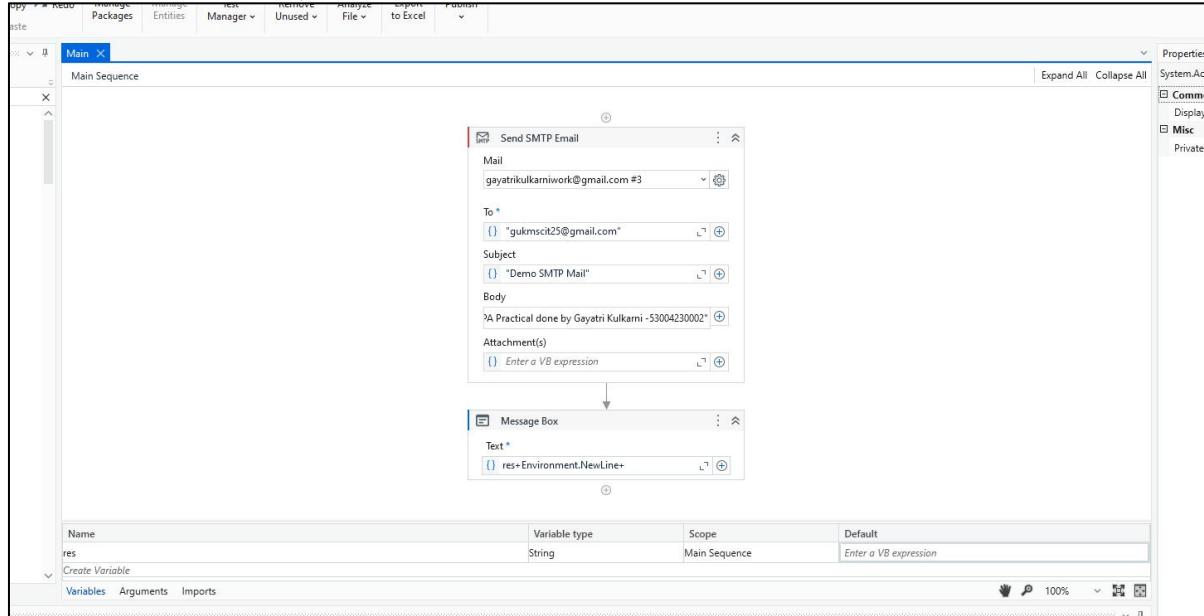
Aim:-Exception Handling, Debugging, and Logging

Exception Handling, Debugging, and Logging: Exception handling, Common exceptions and ways to handle them, Logging and taking screenshots, Debugging techniques, Collecting crash dumps, Error reporting

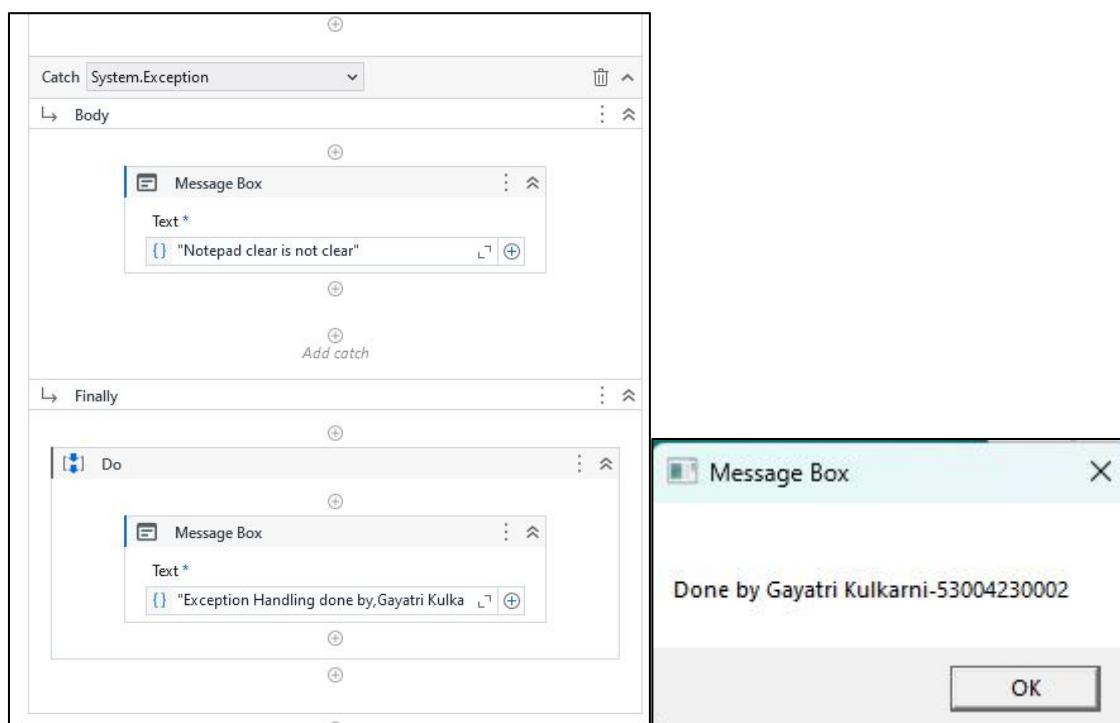
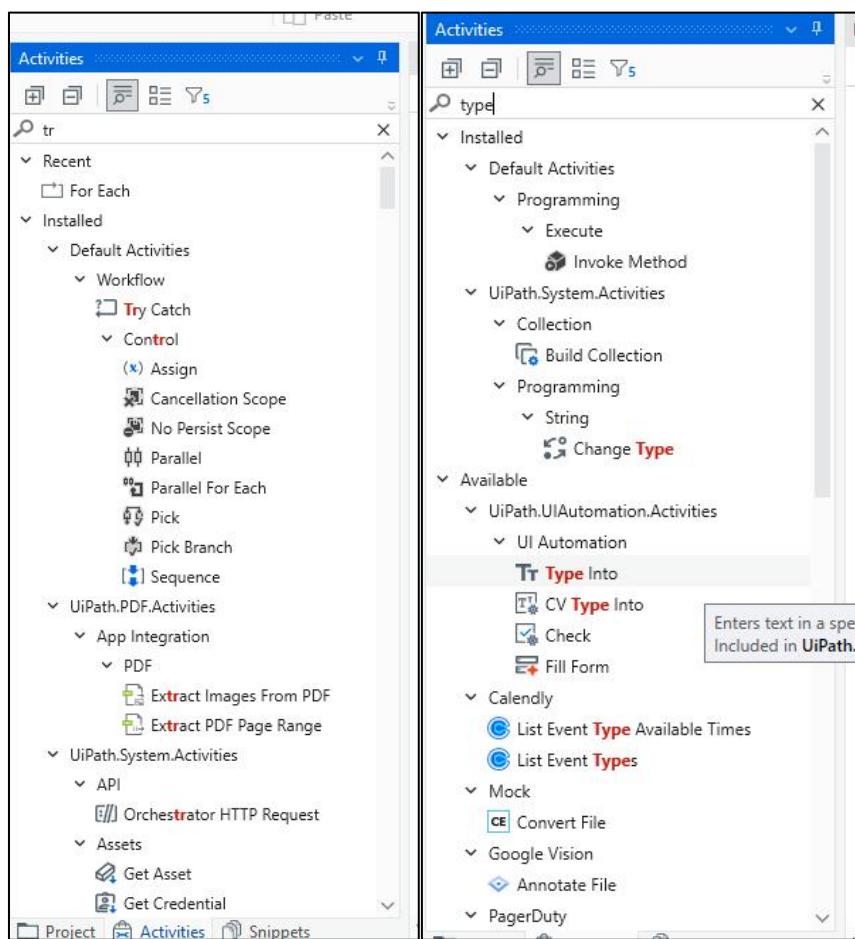
Aim:-4a) Automate the process of send mail event (on any email).

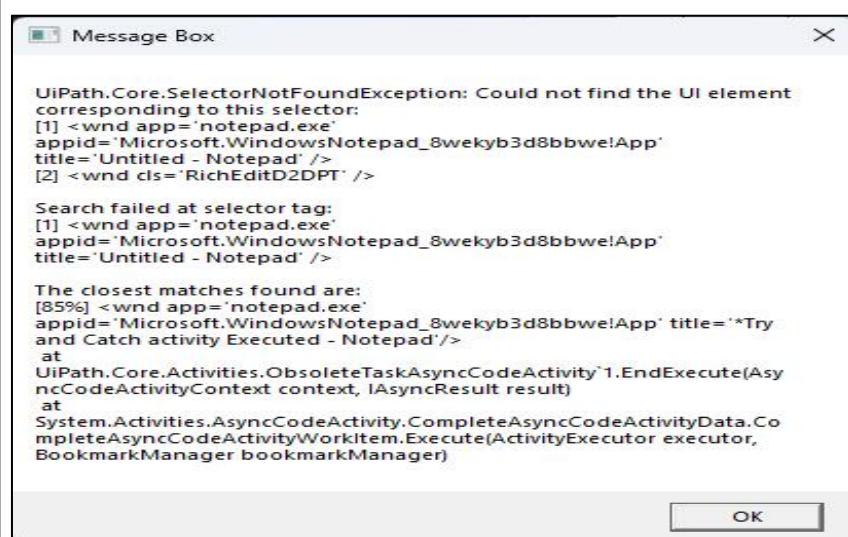
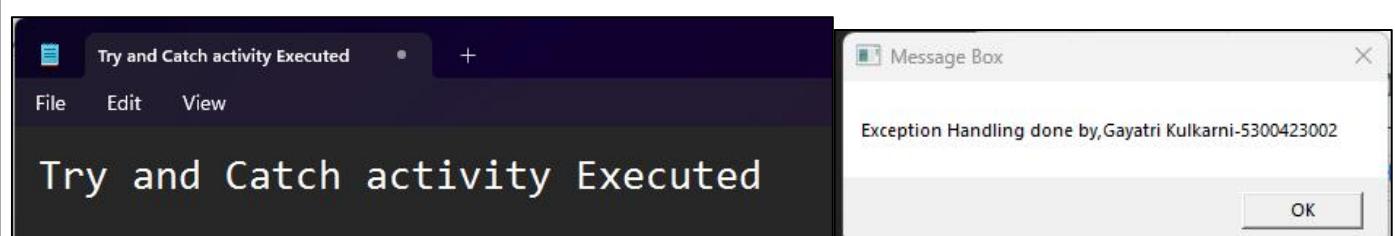
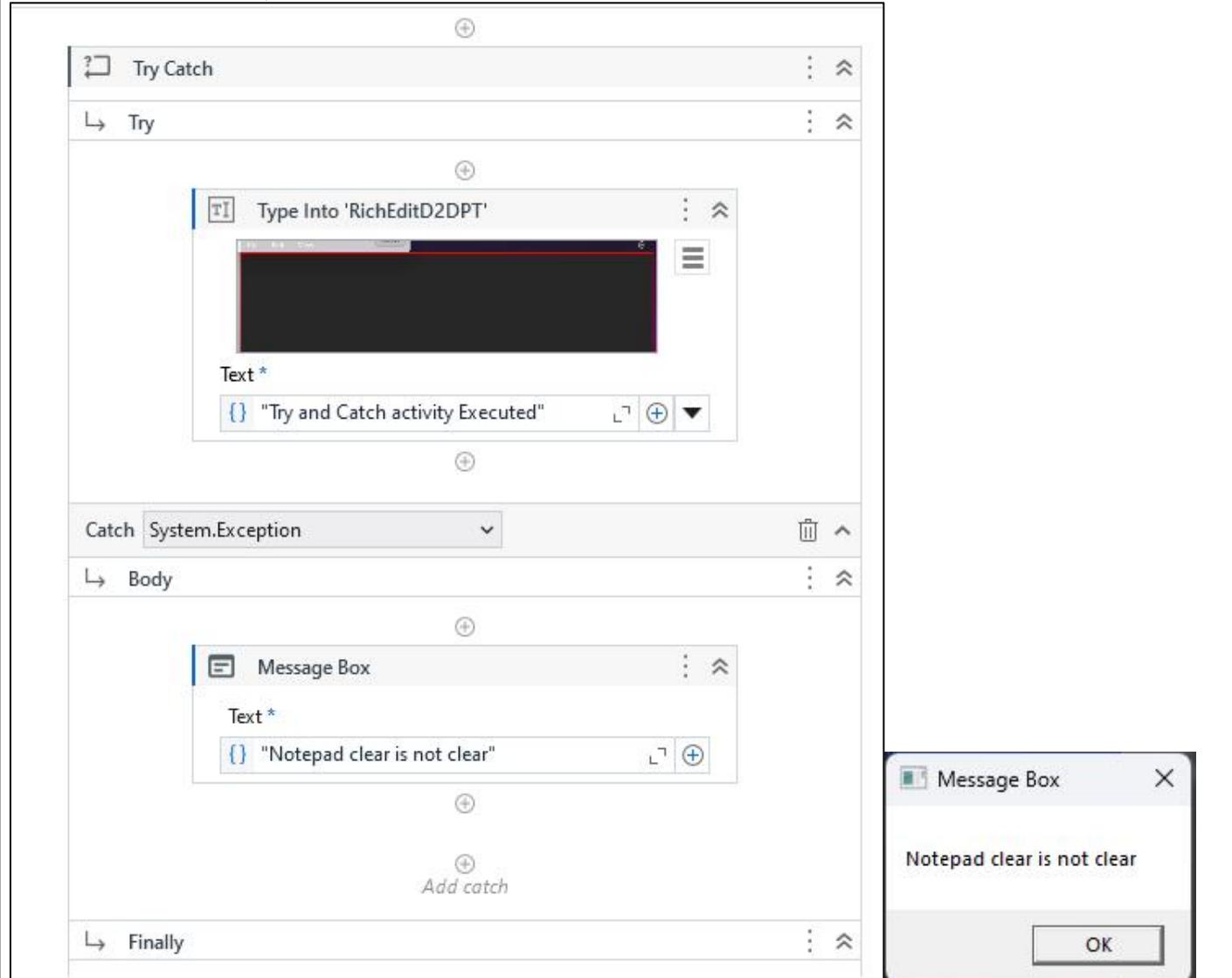
1) In SMTP we have to just drag and drop SMTP and edit properties sign in and display details in message box.





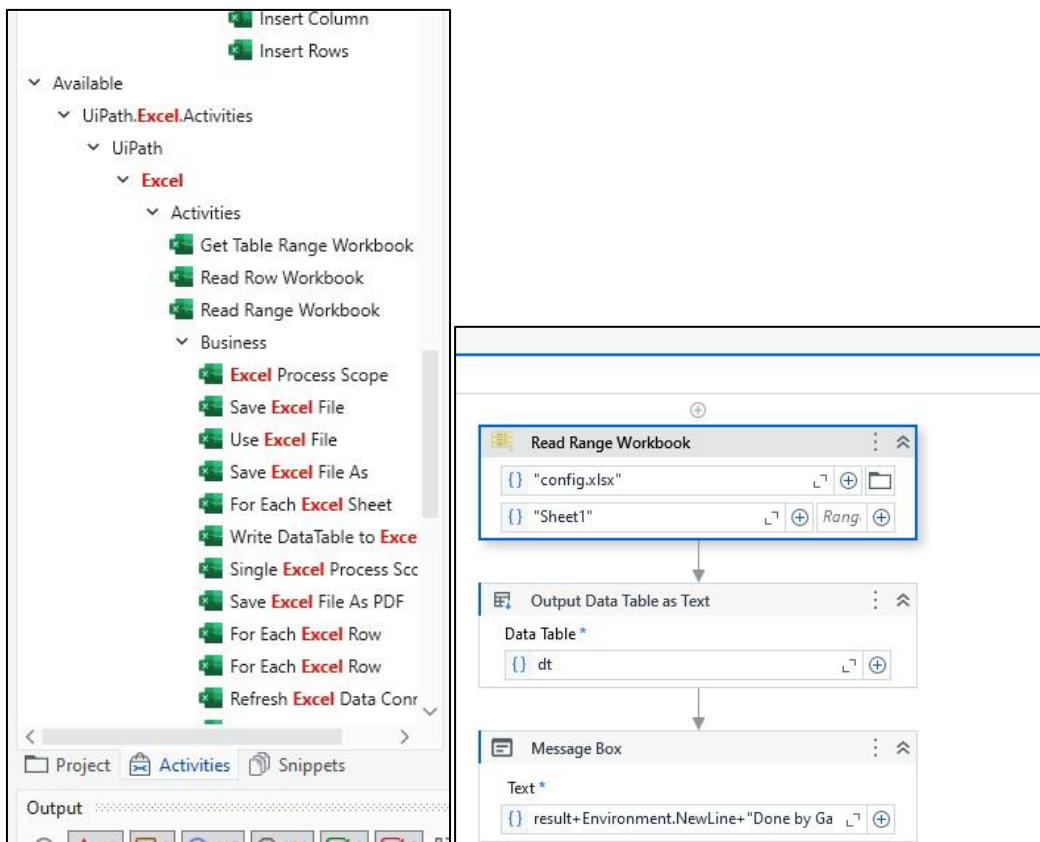
Aim:-4b) Demonstrate the Exception handing in UiPath.





Aim:-4c) Demonstrate the use of config files in UiPath.

1) An Excel File is created with rows and columns and data is shown by excel read range its same as above Practical 2d read and show



Properties for Read Range Workbook:

File	The full path
File (local path)	"config.xlsx"
Range	Specifies the range
SheetName	"Sheet1"

Properties for Output Data Table:

Data Table	dt
------------	----

Variables Table:

Name	Variable type	Scope	Default
result	String	Main Sequence	Enter a VB expression
dt	DataTable	Main Sequence	Enter a VB expression

Aim:-4d) Install and automate any process using UiPath with the following plug-ins:

- i. Java Plugin ii. Mail Plugin iii. PDF Plugin

Install plugins from the manage packages save and Run and use them .1)Drag and drop PDF Application Scope Read Text select file set a variable to save output and drag and drop a message box to display the read text.

Manage Packages

Search: pdf
Filter: Include Prerelease + Activities Only

Package	Description	Version	Action
PDFMonkey by UiPath Connector	PDFMonkey is an app that automates PDF generation, provides a dashboard to manage templates, and provides a simple API to generate documents.	v3.22.1-preview	+
UiPath.PDF.Activities by UiPath	IMPORTANT: Installing this package version requires upgrading all the other Document Understanding packages to their latest version. (in case any are installed).	v3.11.0	Prerelease
AdobePdfServices by UiPath	This package is deprecated as of Studio 23.10. Integration Service Connectors can now be used directly from the Project's Activities panel or Package Manager under All Connectors.	v4.0.8	
UiPath.OCR.Activities by UiPath	IMPORTANT: Installing this package version requires upgrading all the other Document Understanding packages to their latest version. (in case any are installed).	v3.11.0	
UiPathTeam.PDF.Extensions.Activities by Mihai Pricochi, Lavinia Nastase	Custom activities for PDF extensions.		

Save Cancel

Manage Packages

Search: **UiPath.PDF.Activities** by UiPath
Filter: Include Prerelease + Activities Only

Package	Description	Version	Action
UiPath.PDF.Activities by UiPath	IMPORTANT: Installing this package version requires upgrading all the other Document Understanding packages to their latest version. (in case any are installed).	v3.21.0-preview	+
UiPath.System.Activities by UiPath	IMPORTANT: This package version requires Studio v23.4 or above. Installing it on versions lower than the recommended ones may cause unexpected changes in your workflows. Core activities which enable the robots to manipulate data tables and collections, work with files and...	v25.2.1	

Save Cancel

File Explorer:

Name	Date modified	Type	Size
.entities	28-02-2025 07:54	File folder	
.objects	28-02-2025 07:54	File folder	
.project	28-02-2025 07:56	File folder	
.settings	28-02-2025 07:54	File folder	
.templates	28-02-2025 07:54	File folder	
.tmh	28-02-2025 07:54	File folder	
Main.xaml	28-02-2025 08:05	UiStudio.xaml	4 KB
project.json	28-02-2025 07:56	JSON File	2 KB
RPA_Journal_53004220003	28-02-2025 08:05	Chrome HTML Do...	3,995 KB

Project Settings:

Manage Packages:

Manage Packages

Search: Filter: Include Prerelease + Activities Only

- Settings
- Project Dependencies
- All connectors
- All packages
- Local
- Official
- Marketplace
- Orchestrator Host
- nuget.org

UiPath.System.Activities by UiPath
IMPORTANT: This package version requires Studio v23.4 or above. Installing it on versions lower than the recommended ones may cause unexpected changes in your workflows.
Core activities which enable the robots to manipulate data tables and collections, work with files and...

UiPath.PDF.Activities by UiPath
IMPORTANT: Installing this package version requires upgrading all the other Document Understanding packages to their latest version. (in case any are installed).
Prerelease

v25.2.1 v25.2.2

Plugins

File Home Share View

Pin to Quick access Copy Paste Cut Copy path Paste shortcut Move to Copy to Delete Rename New folder New item Easy access New Open Properties Select all Select none Invert selection

Clipboard Organize New Open Select

← → ↑ ↓ This PC > Documents > UiPath > Plugins >

Name	Date modified	Type	Size
.entities	3/7/2025 5:45 PM	File folder	
.objects	3/7/2025 5:45 PM	File folder	
.project	3/7/2025 5:46 PM	File folder	
.settings	3/7/2025 5:45 PM	File folder	
.templates	3/7/2025 5:45 PM	File folder	
.tmh	3/7/2025 5:45 PM	File folder	
Main	3/7/2025 5:51 PM	Windows.XamlDo...	7 KB
project	3/7/2025 5:46 PM	JSON Source File	2 KB
RPA	3/7/2025 5:52 PM	WPS PDF Document	27 KB

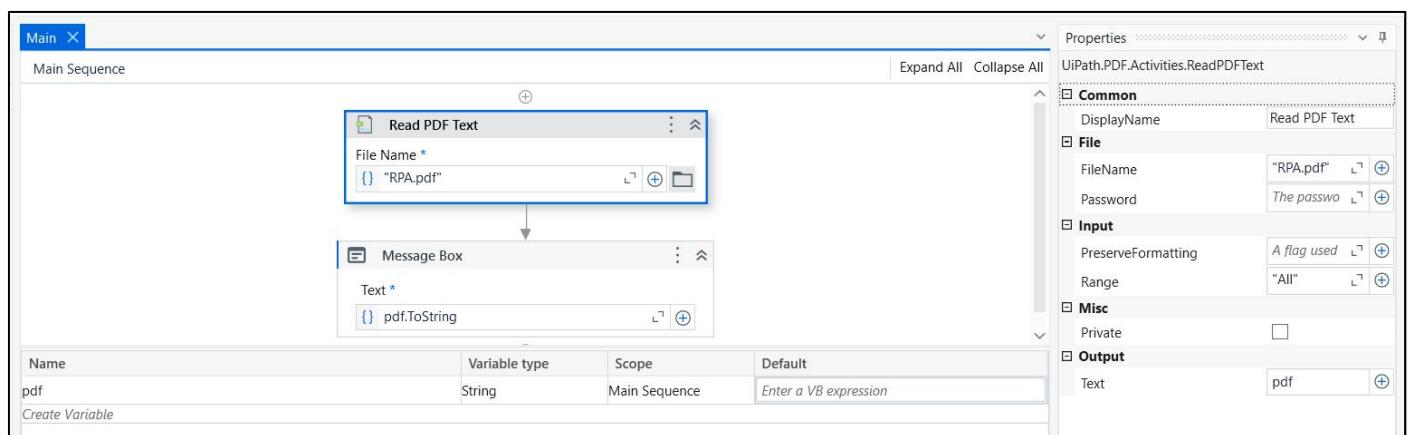
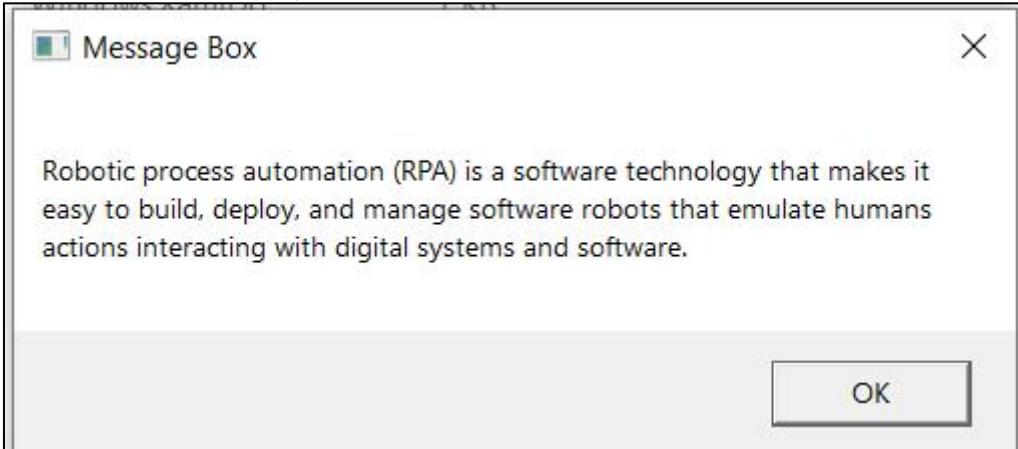
Quick access This PC 3D Objects Desktop Documents Downloads Music Pictures Videos

Activities

read

Installed

- App Integration
 - PDF
 - Read PDF Text
 - Read PDF With OCR
 - XPS
 - Read XPS Text
 - Read XPS With OCR



iii. Web Integration

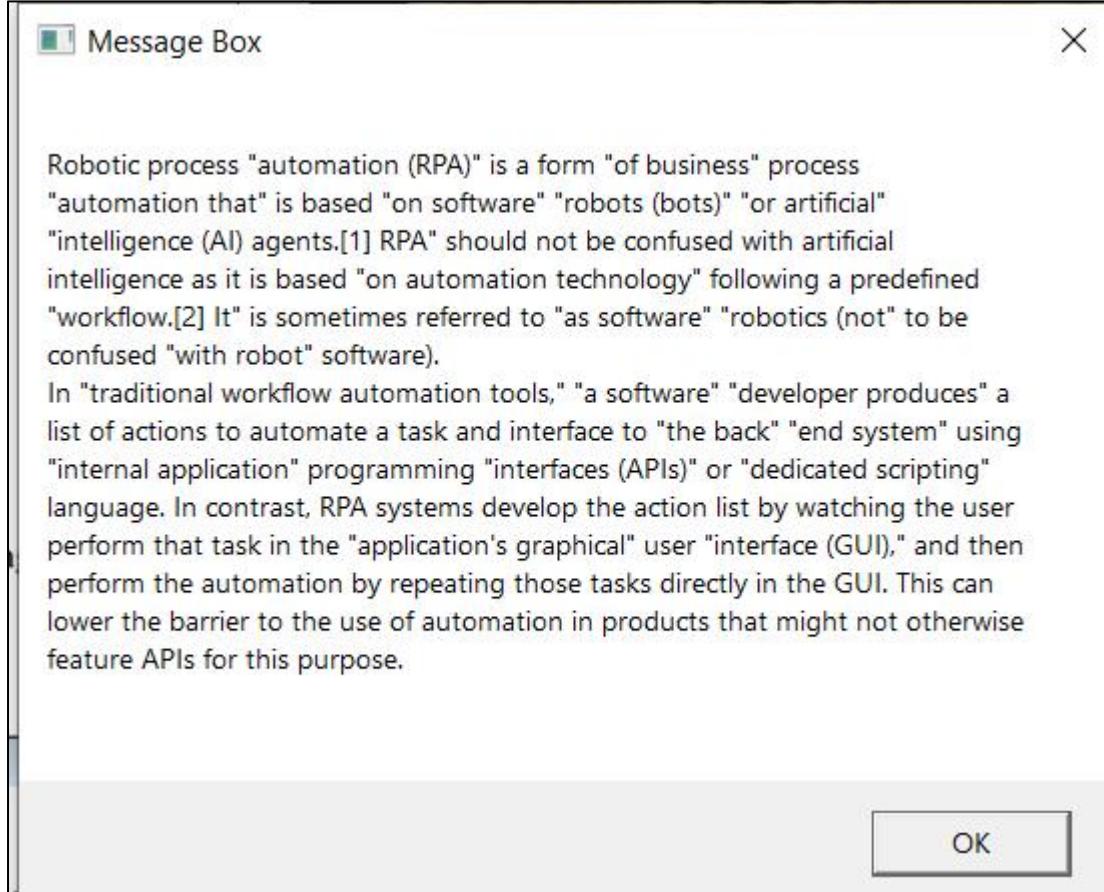
iv. Excel Plugin

v. Word, Plugin

1) Drag and drop Word Application Scope Read Text select file set a variable to save output and drag and drop a message box to display the read text.

Robotic process automation (RPA) is a form of **business process automation** that is based on **software robots** (bots) or **artificial intelligence (AI) agents**.^[1] RPA should not be confused with artificial intelligence as it is based on **automation** technology following a predefined workflow.^[2] It is sometimes referred to as **software robotics** (not to be confused with **robot software**).

In traditional **workflow automation** tools, a **software developer** produces a list of actions to automate a task and interface to the **back end system** using internal **application programming interfaces (APIs)** or dedicated **scripting language**. In contrast, RPA systems develop the action list by watching the user perform that task in the application's **graphical user interface (GUI)**, and then perform the automation by repeating those tasks directly in the GUI. This can lower the barrier to the use of automation in products that might not otherwise feature **APIs** for this purpose.



The screenshot shows the RPA tool interface with the following sequence flow:

- Main Sequence**: The starting point.
- Word Application Scope**: Contains a task named "Read Text". The "Save to *" field is set to a variable named "word".
- Message Box**: A task where the "Text *" field is also set to the variable "word".

Below the sequence flow, there is a table for variable management:

Name	Variable type	Scope	Default
word	String	Main Sequence	Enter a VB expression