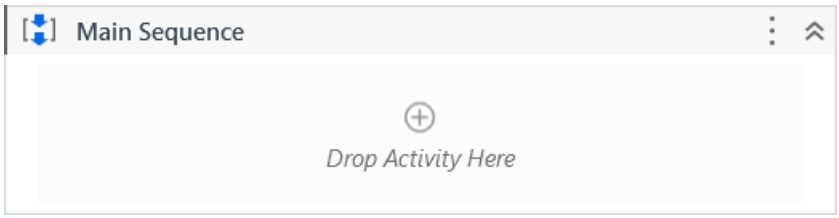
Practical 1

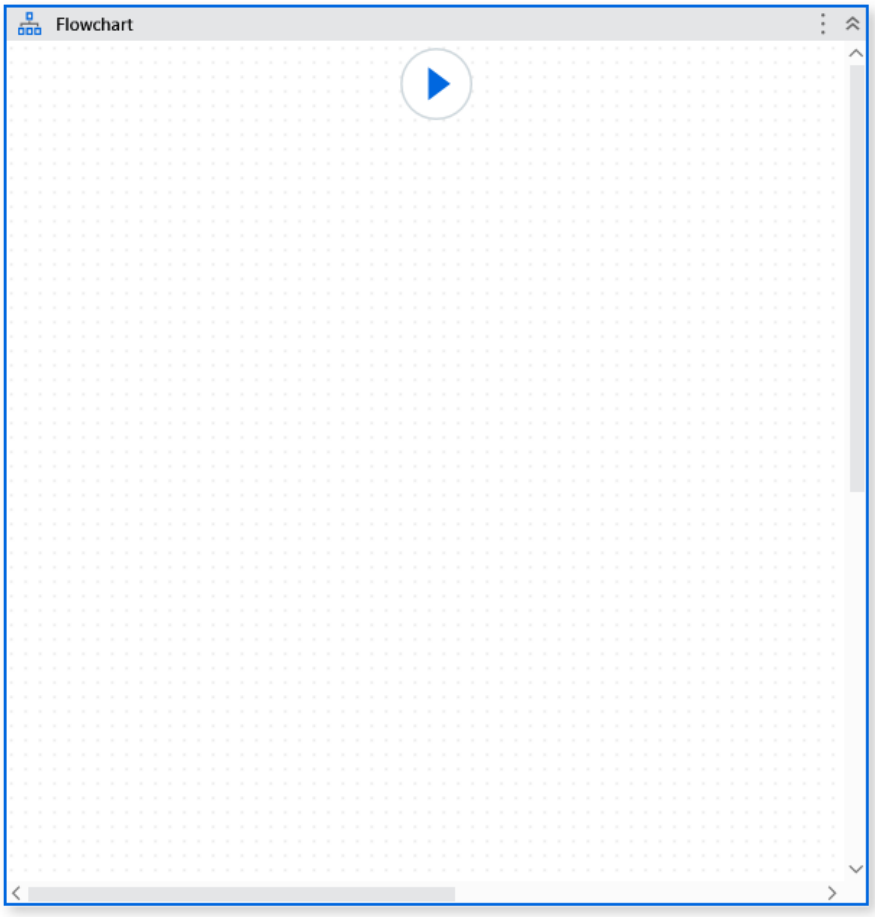
Aim: Understanding UI Path and its Different components.

Theory:

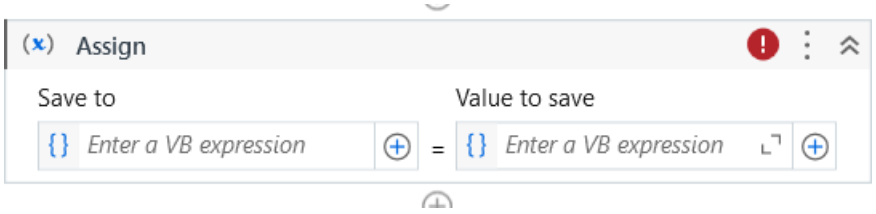
Sequence: This is suitable for simple actions or tasks. It enables you to go from one activity to another, without interfering with your project. It consists of various activities. Creating sequences is also useful for debugging purposes. One activity from a particular sequence can easily be tracked. The Basic type of project can be started using the Blank option in the start tab and then adding the sequence in the diagram from the toolbox.



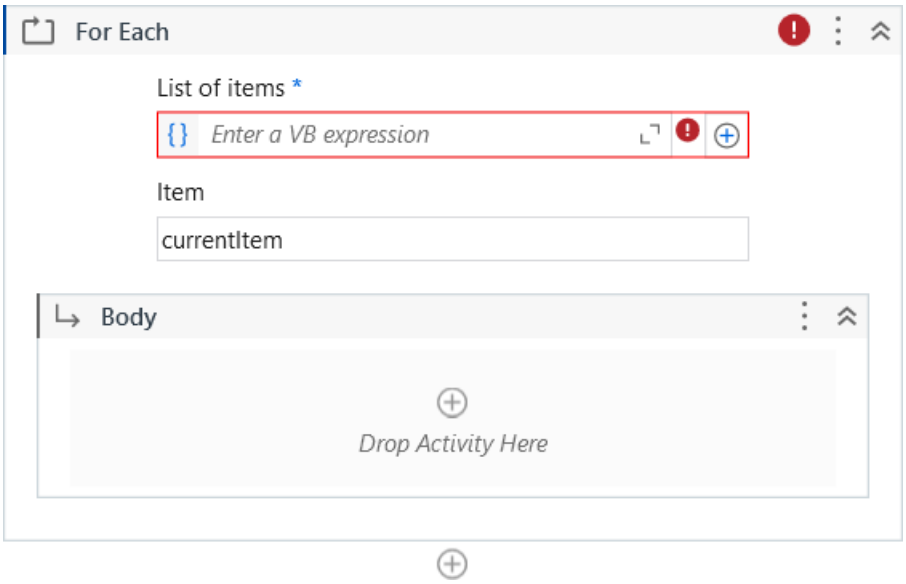
Flowchart: This is suitable for dealing with more complex projects. It enables you to integrate decisions and connect activities. To start this kind of project, choose the Flowchart - Simple Process option from the new project menu



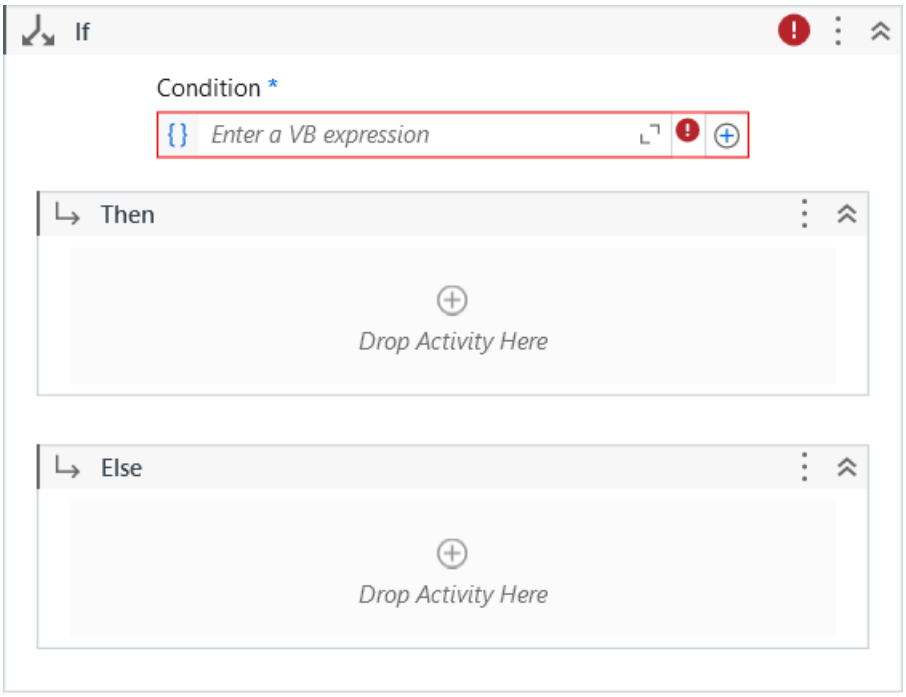
The Assign activity: is used to designate a value to the variable. The Assign activity can be used for different purposes, such as incrementing the value of a variable in a loop, or using the results of a sum, difference, multiplication, or division of variables and assigning it to another variable**.**



The For each activity: works by iterating each element from the collection of items or list of elements, one at a time. In the process, it will execute all the actions that are available inside the body. Thus, it iterates through the data and processes each piece of information seperately.



The If activity: consists of a statement with two conditions: true or false. If the statement is true, then the first condition is executed; if not, the second condition is executed. This is useful when we have to take decisions on the basis of statements.



Practical 2

Aim: Understanding various activities in UI Path

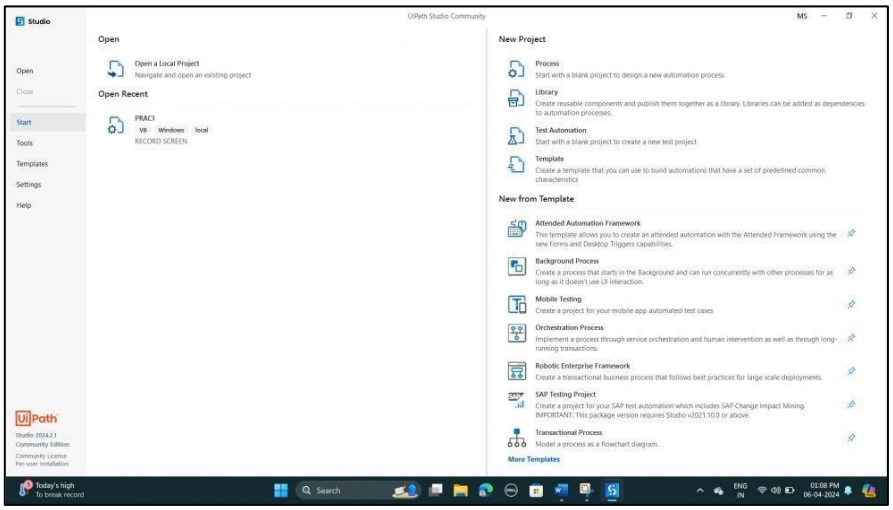
Hardware & Software Requirement:

- Hardware:
  - Processor: 11th Gen Intel(R) Core (TM) i5-1135G7 @ 2.40GHz 2.42 GHz
  - RAM: 8.00 GB (7.74 GB usable)
  - System Type 64-bit Operating System, x86-64-based processor
- Software: UiPath Studio

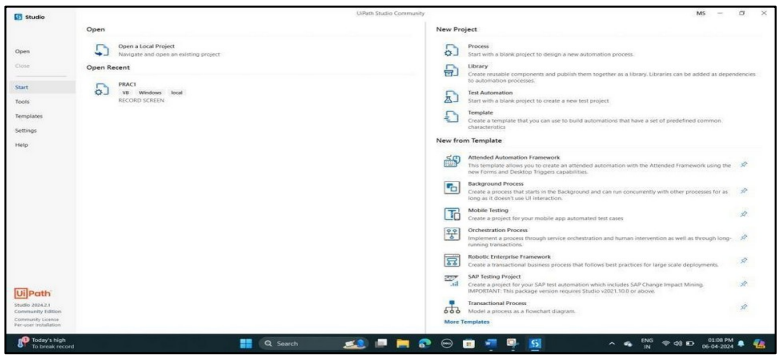
Steps- Follow are the given steps for performing the following practical:

1. Install the UiPath studio after installing the application we get to see the following icon on your desktop.

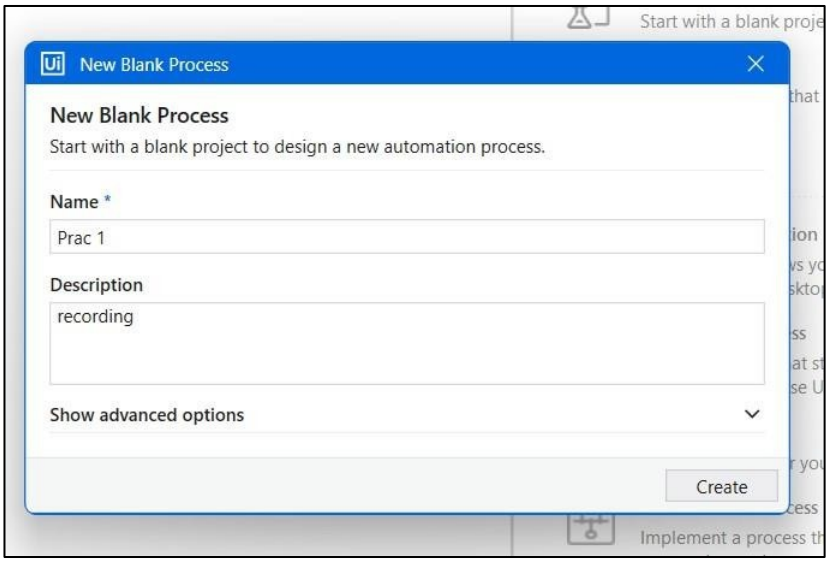
2. The following interface of UiPath studio will be seen.



3. After starting the UiPath -> Select the blank process as shown in the below image.

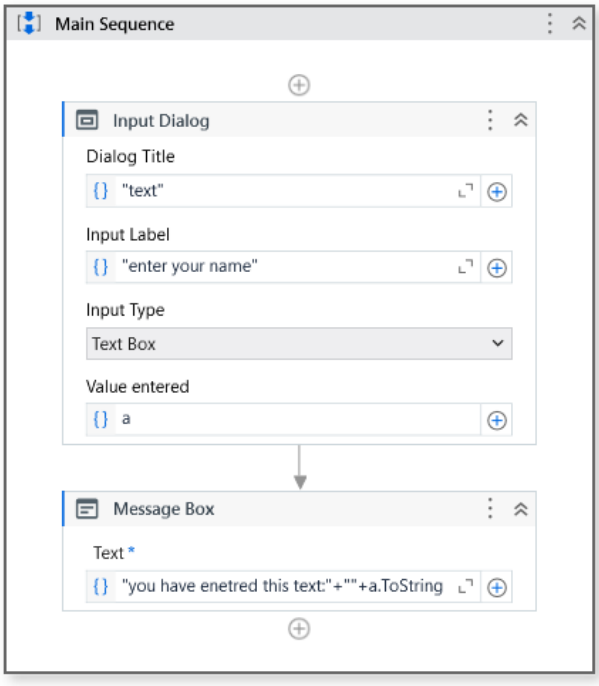
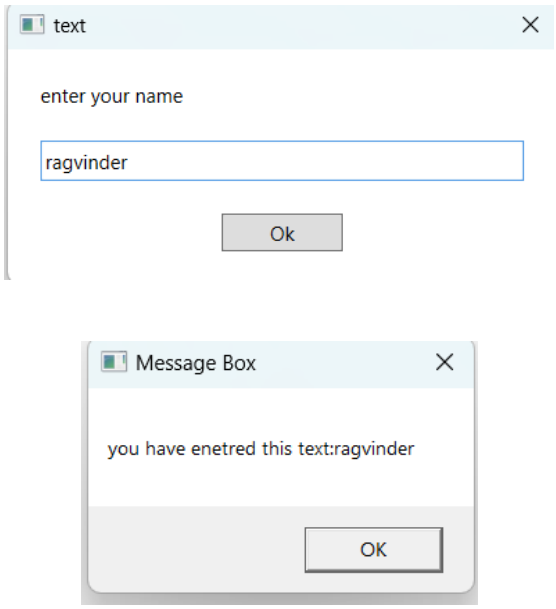


4. Named your 1st blank process-> then click on create.

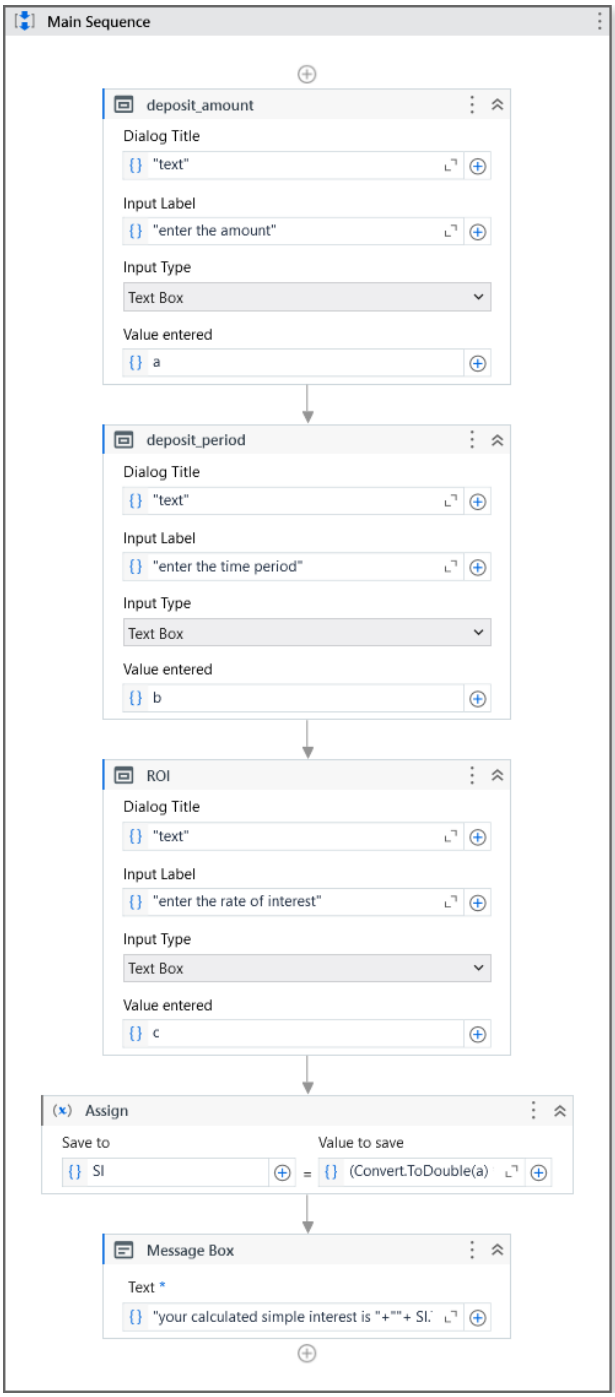
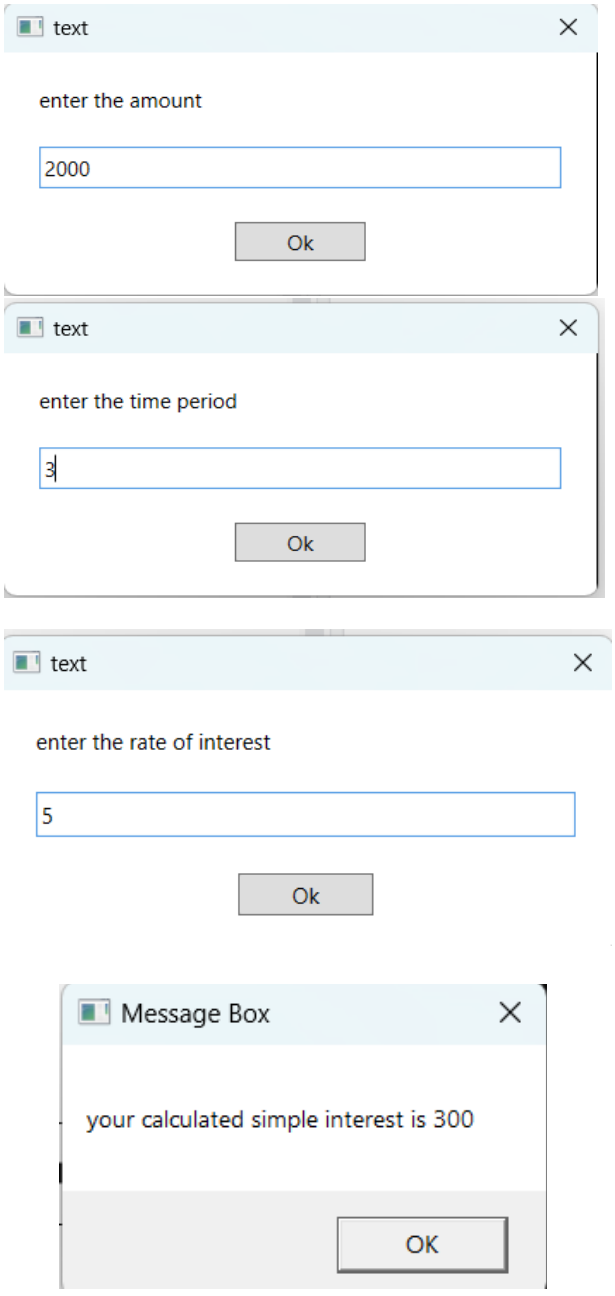


5. Now start performing below practicals

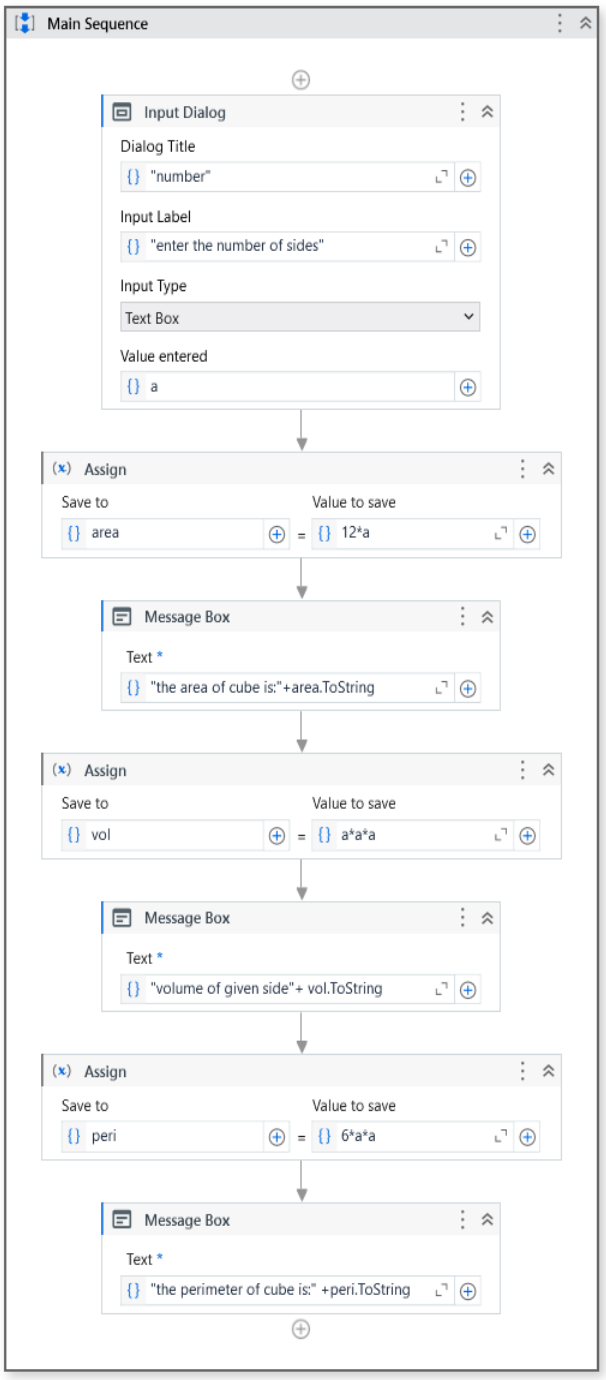
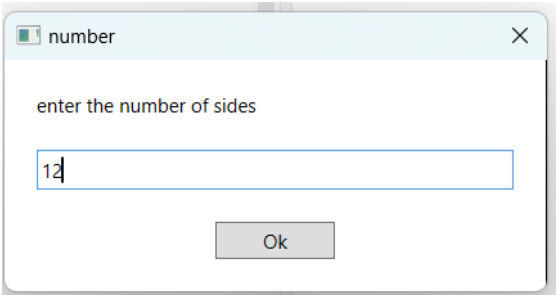
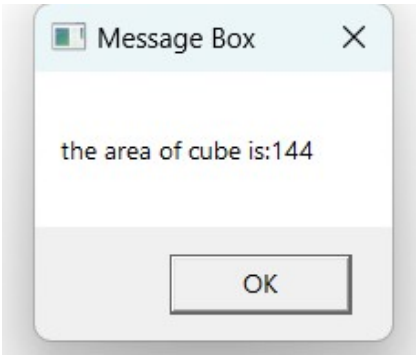
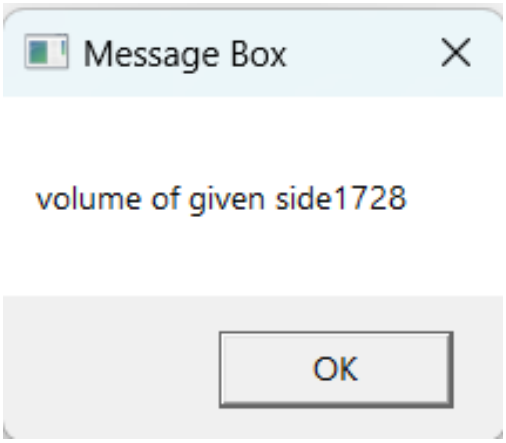
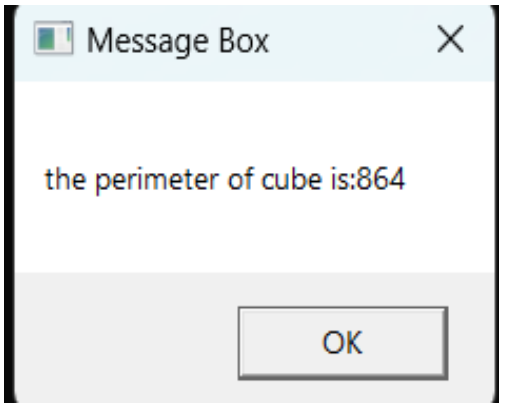
A. Read from Input Box and Write in Message box.

Template:	O/P:
	

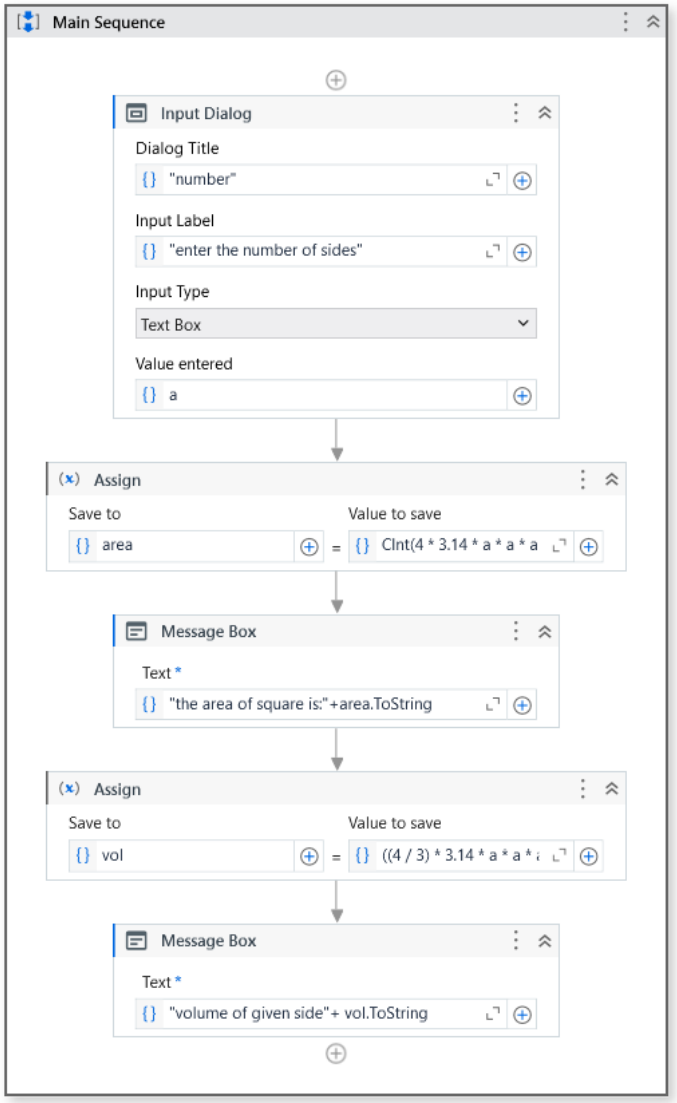
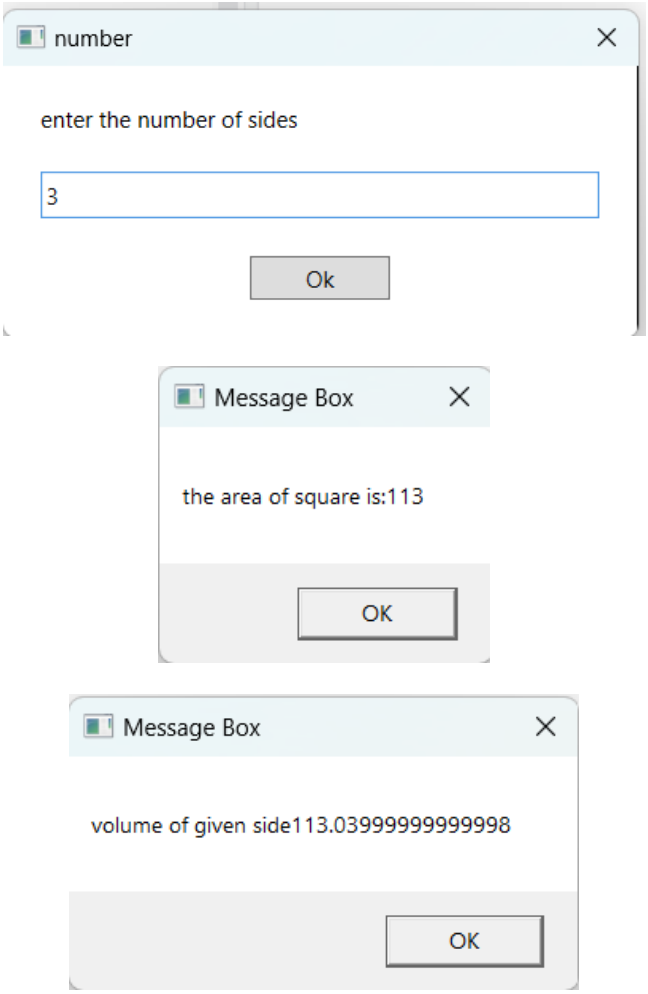
B. Calculate Simple Interest

Template:	O/P:
	

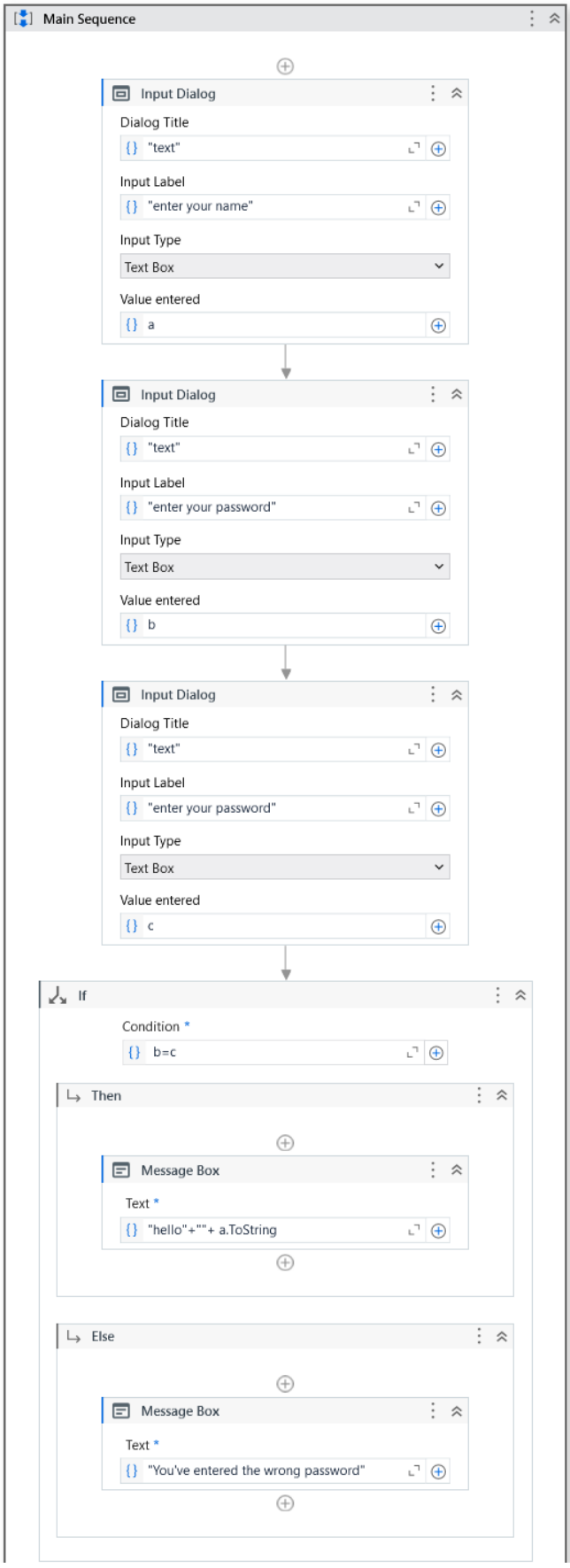
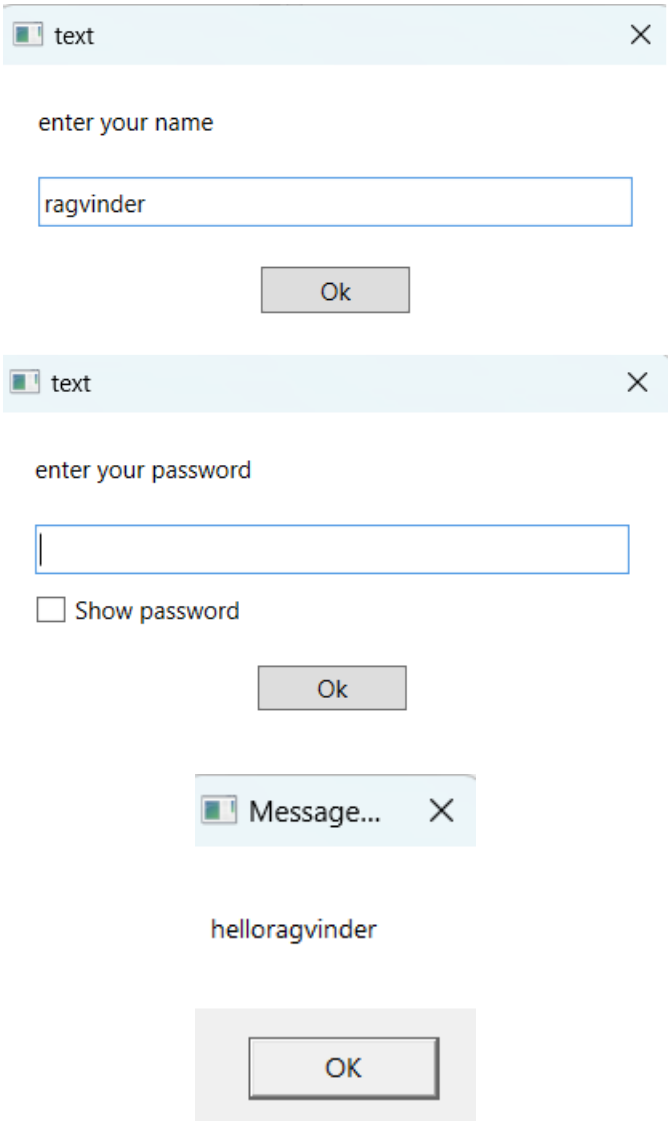
C. Calculate Volume, Area and Perimeter of Cube.

Template:	O/P:
	   

D. Calculate Volume, Area and Circumference of Sphere.

Template:	O/P:
	

E. Create a workflow which shows the welcome message only if the user enters the correct password.

Template:	O/P:
	

Practical 3

Aim: Understanding Branching Activities

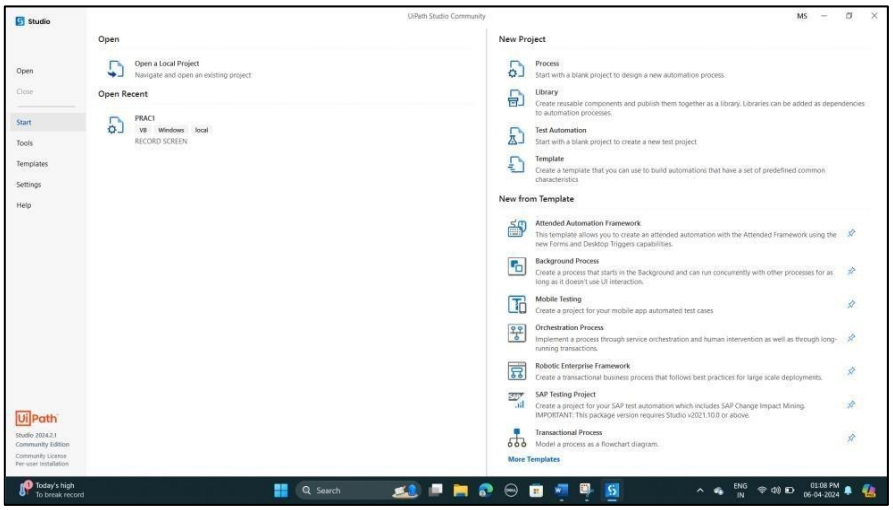
Hardware & Software Requirement:

- Hardware:
  - Processor: 11th Gen Intel(R) Core (TM) i5-1135G7 @ 2.40GHz
  - RAM: 8.00 GB (7.74 GB usable)
  - System Type 64-bit Operating System, x86-64-based processor
- Software: UiPath Studio

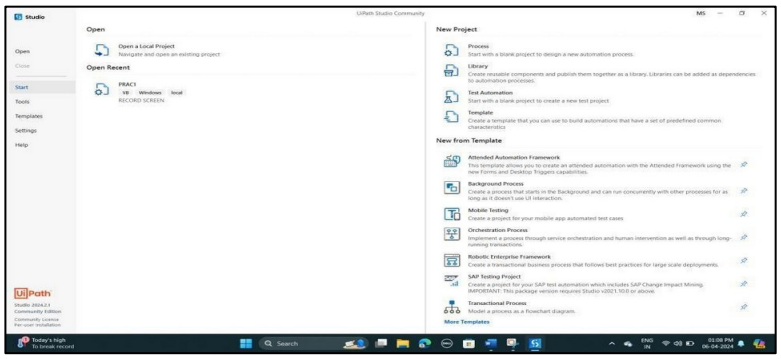
Steps- Follow are the given steps for performing the following practical:

1. Install the UiPath studio after installing the application we get to see the following icon on your desktop.

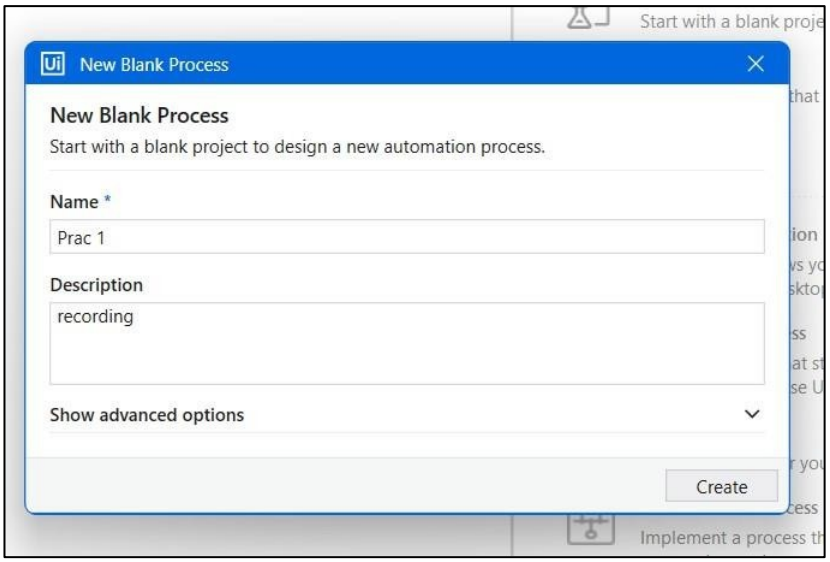
2. The following interface of UiPath studio will be seen.



3. After starting the UiPath -> Select the blank process as shown in the below image.

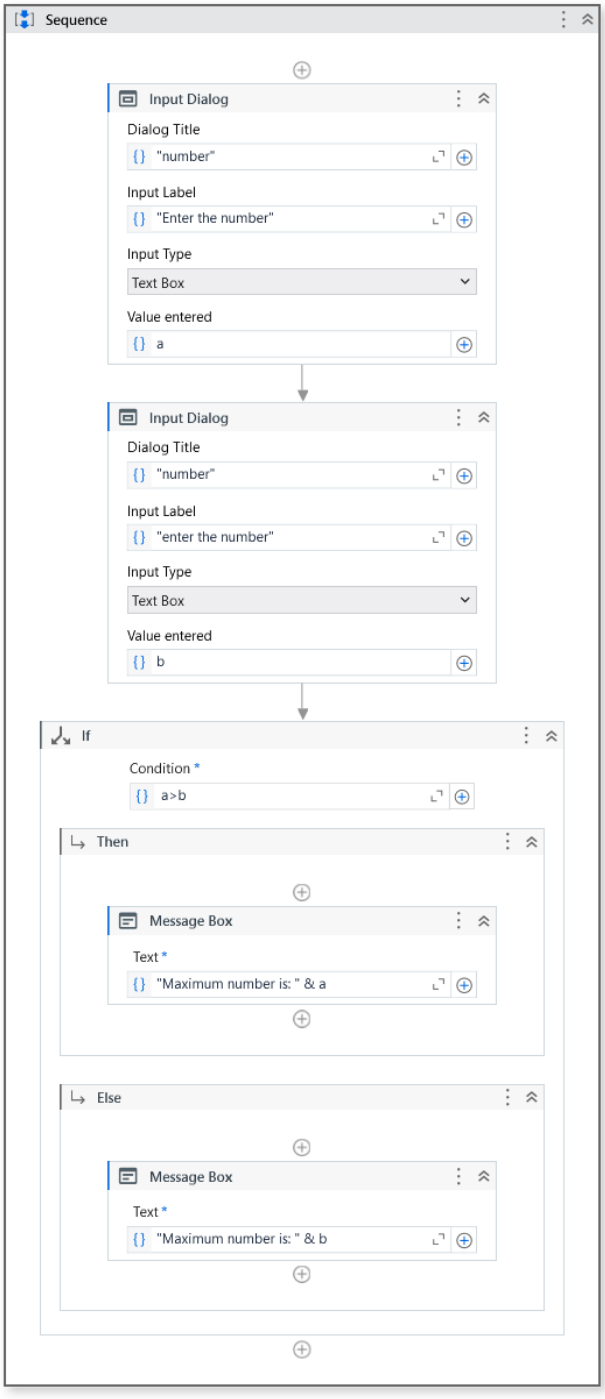
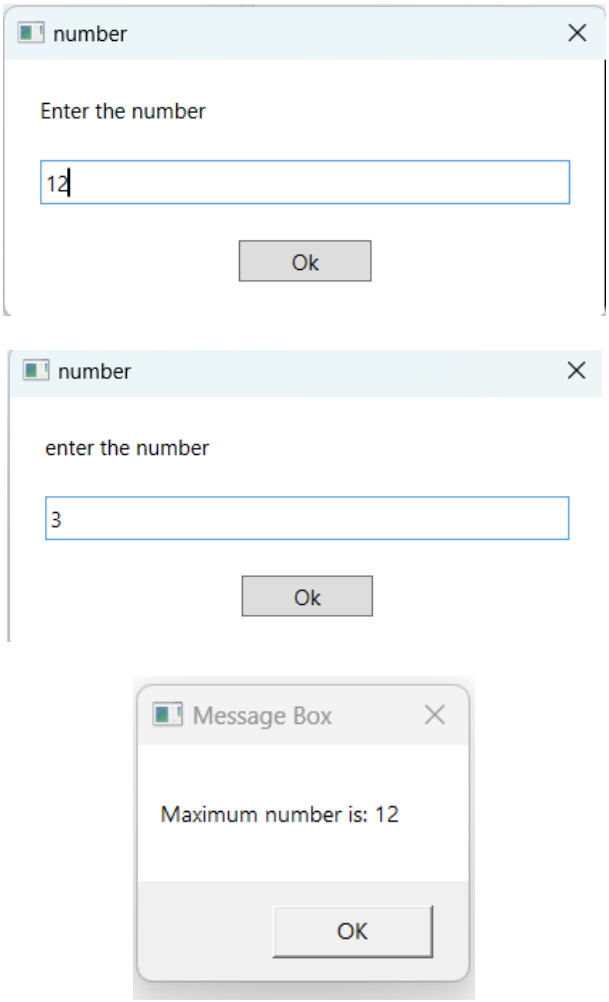


4. Named your 1st blank process-> then click on create.

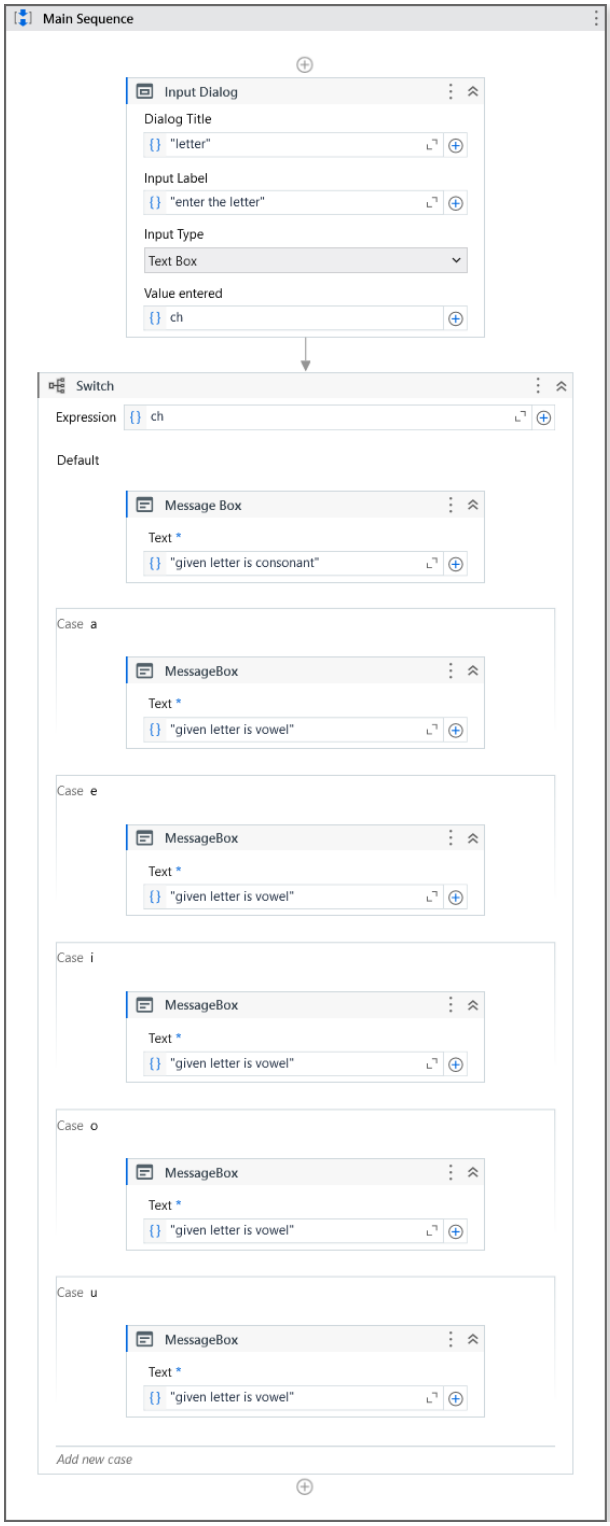
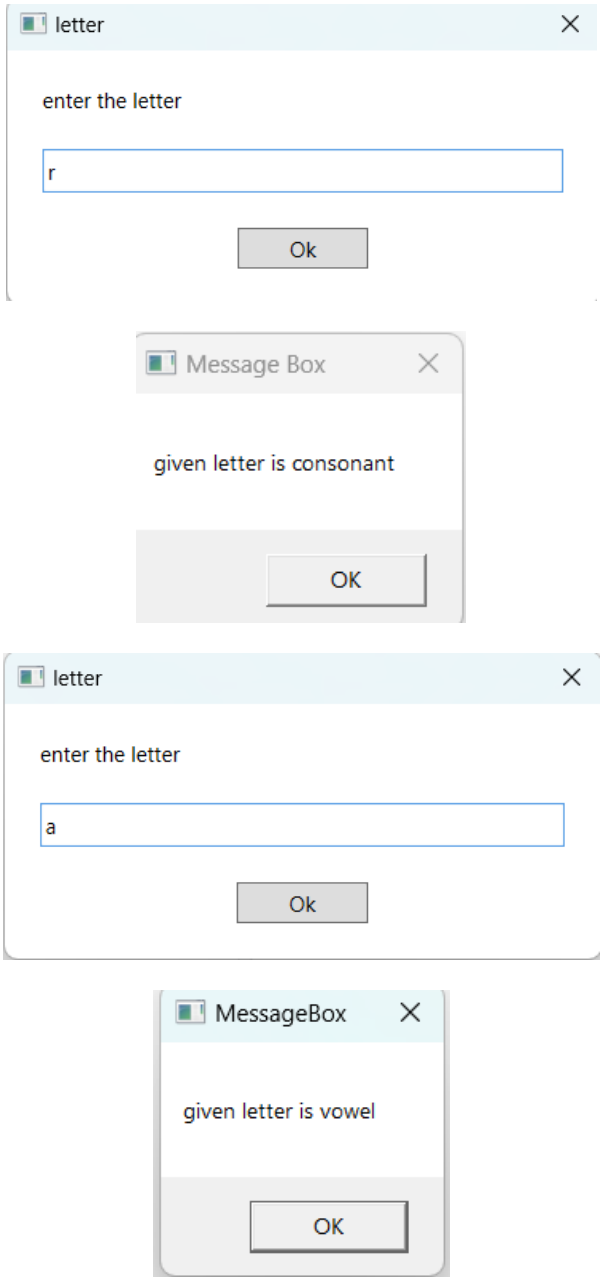


5. Now start performing below practicals

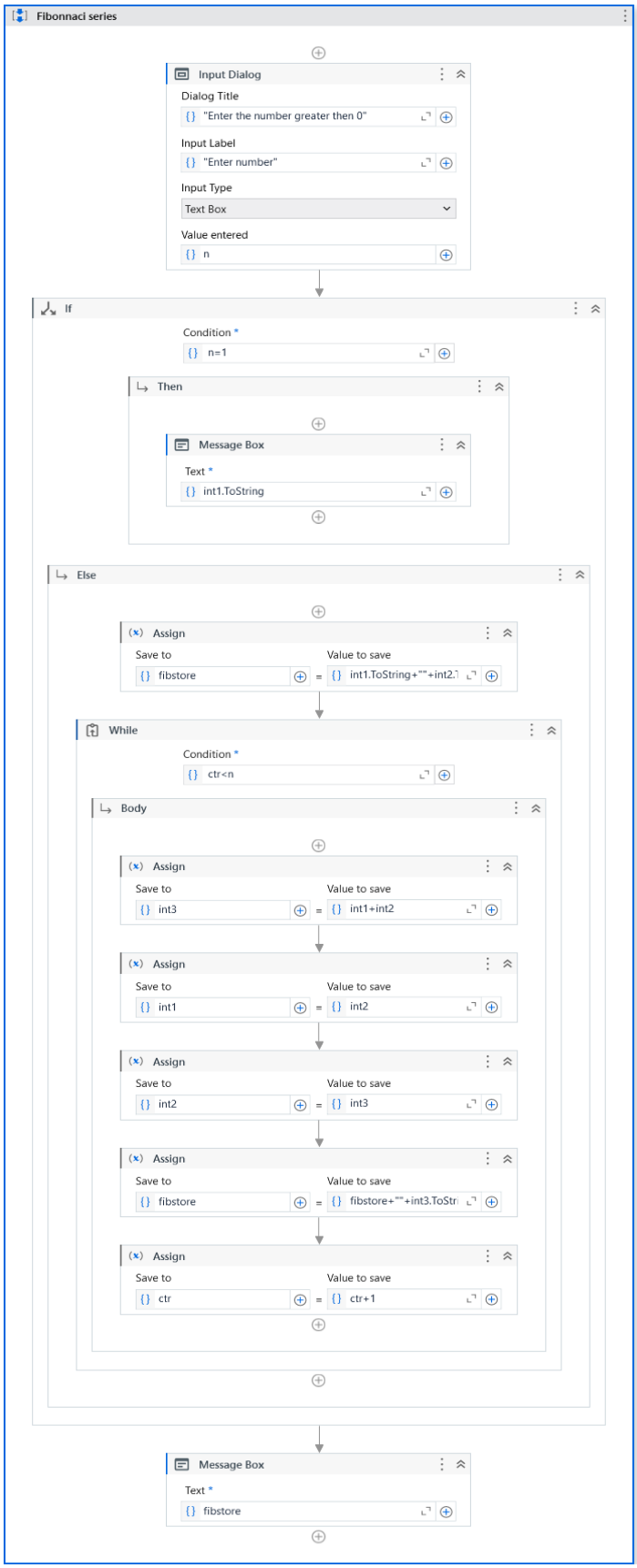
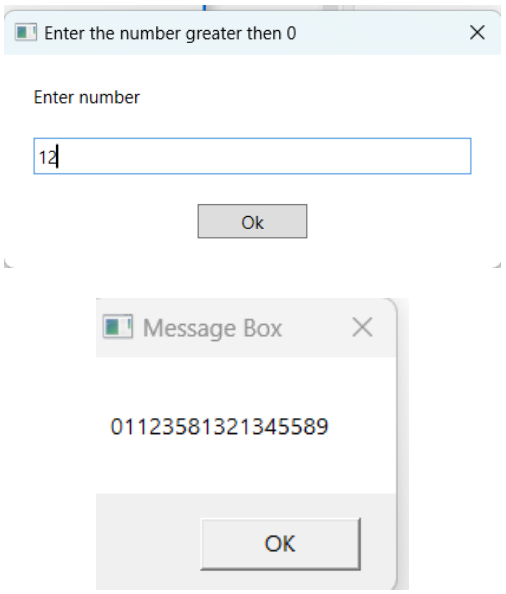
1. Find Maximum of Two numbers (if Activity).

Template:	O/P:
	

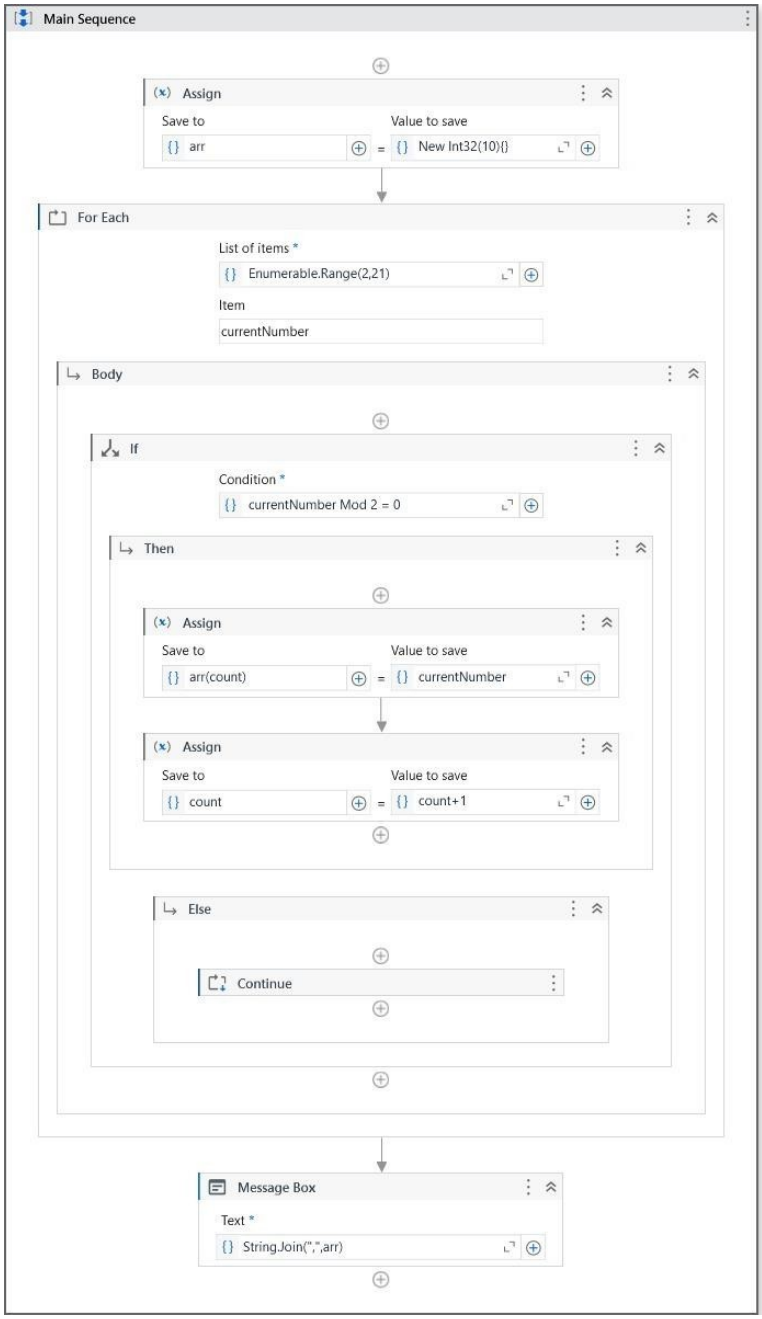
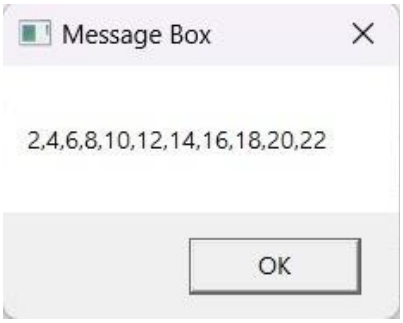
2. Decide whether entered character is Vowel or Consonant (if, Switch activity).

Template:	**O/P:**
	

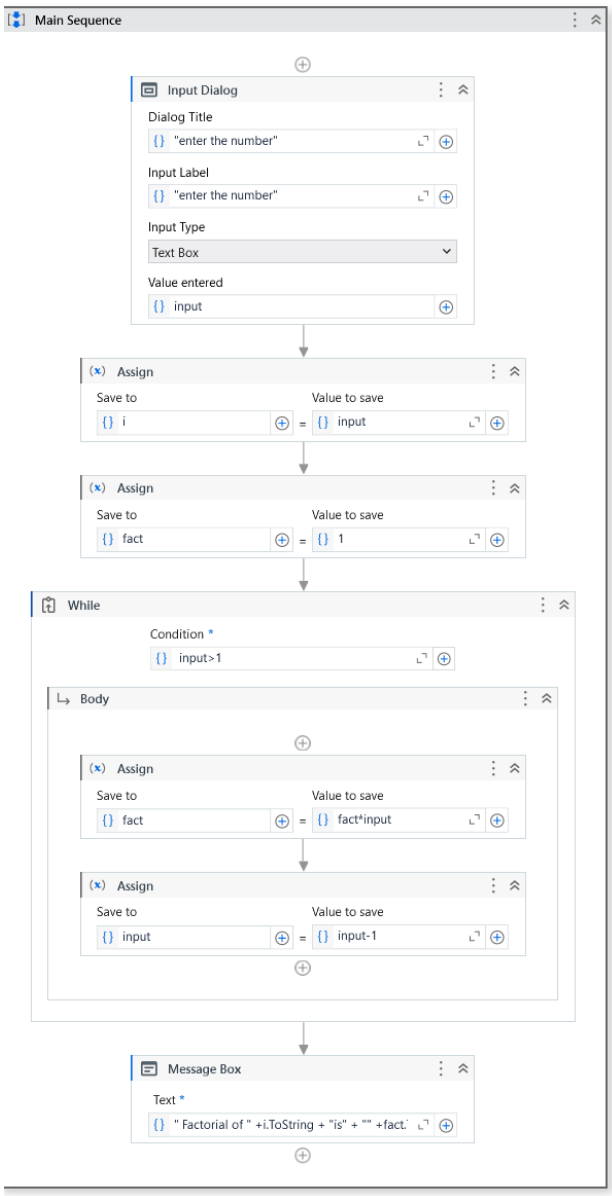
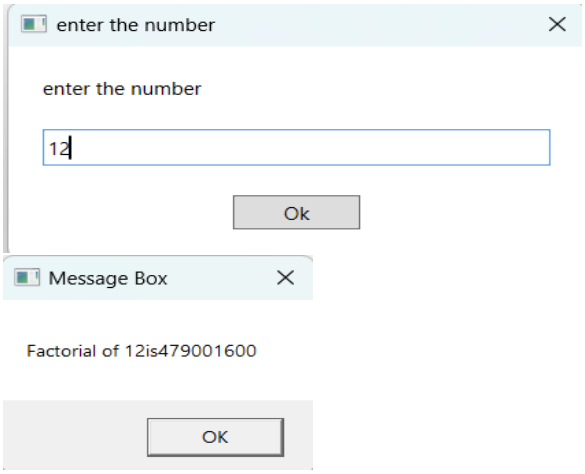
3. Generation of Fibonacci Series (for activity).

Template:	O/P:
	

4. Generation of Even Numbers (For Activity).

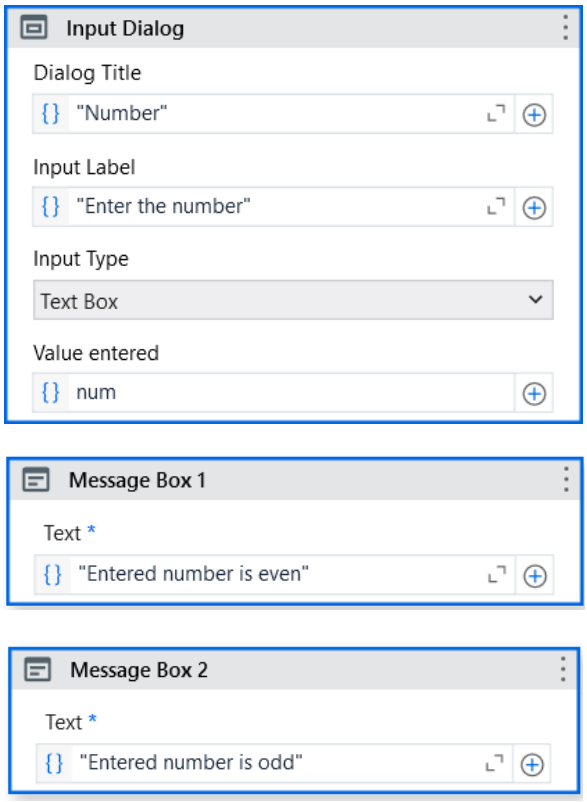
Template:	O/P:
	

5. To find Factorial of Number (While Activity).

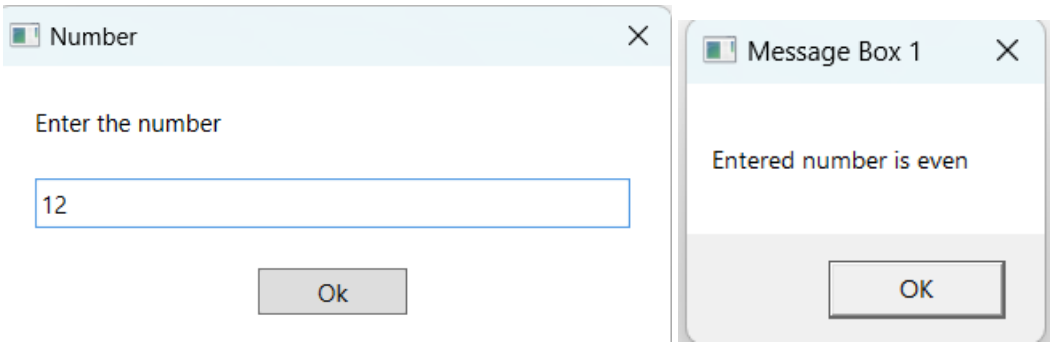
Template:	O/P:
	

6. Whether the number is even or odd.

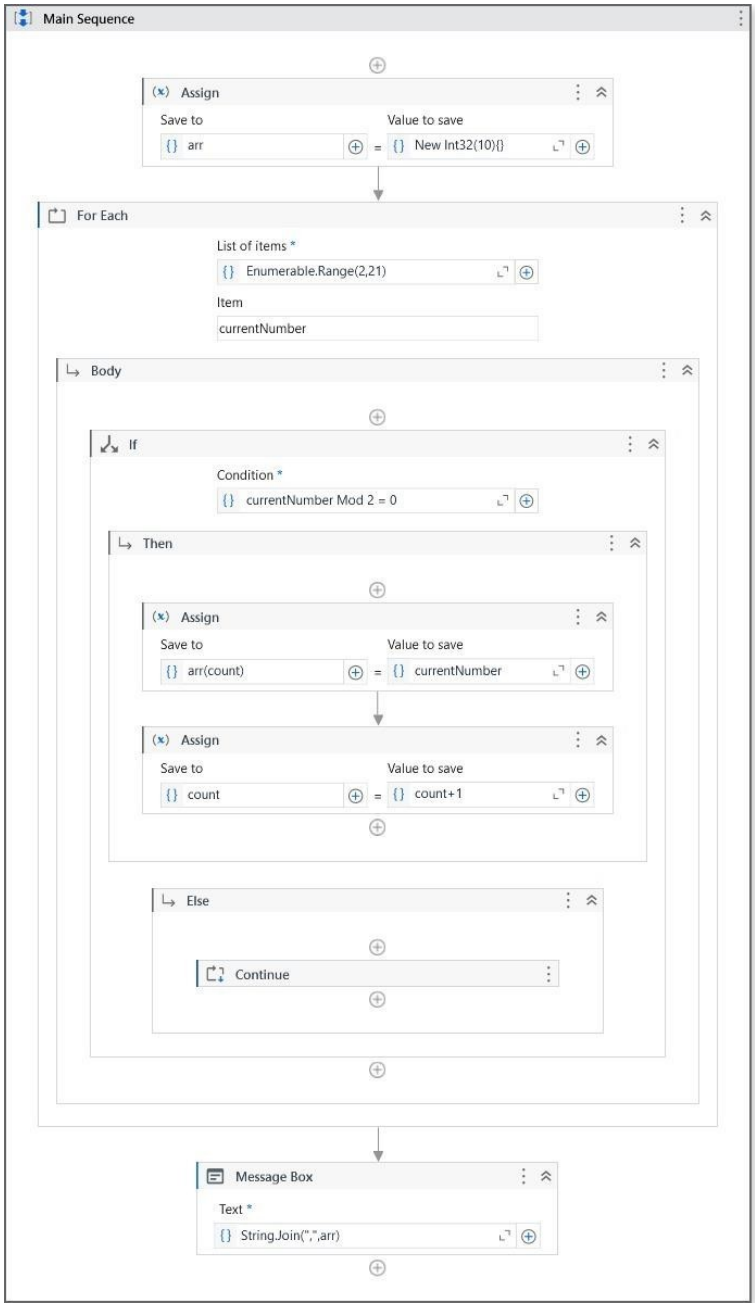
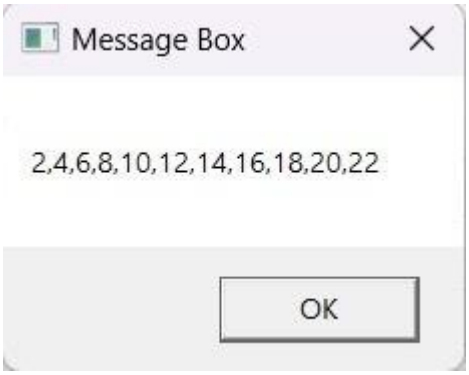
Template:



O/P:



7. Design a workflow for an integer variable will increase from 2 to 22 in increments of 2.

Template:	O/P:
	

Practical 4

Aim: Use of Advanced Activities

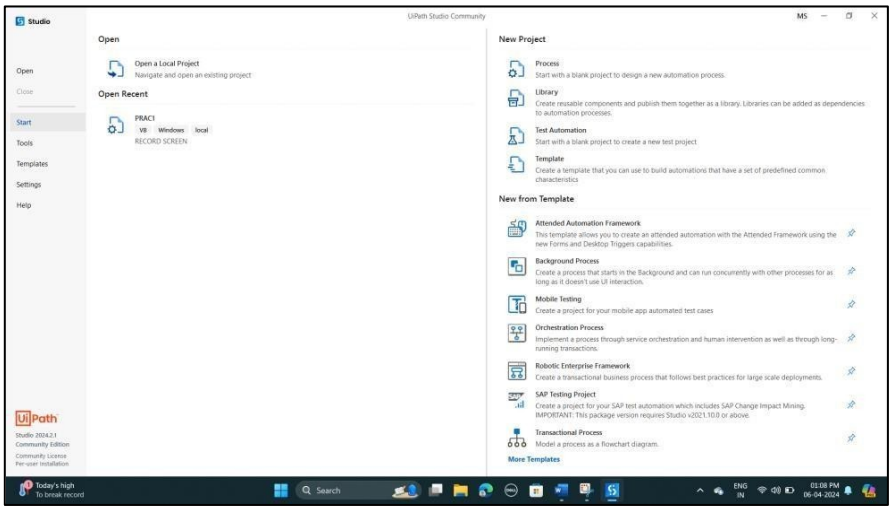
Hardware & Software Requirement:

- Hardware:
  - Processor: 11th Gen Intel(R) Core (TM) i5-1135G7 @ 2.40GHz
  - RAM: 8.00 GB (7.74 GB usable)
  - System Type 64-bit Operating System, x86-64-based processor
- Software: UiPath Studio

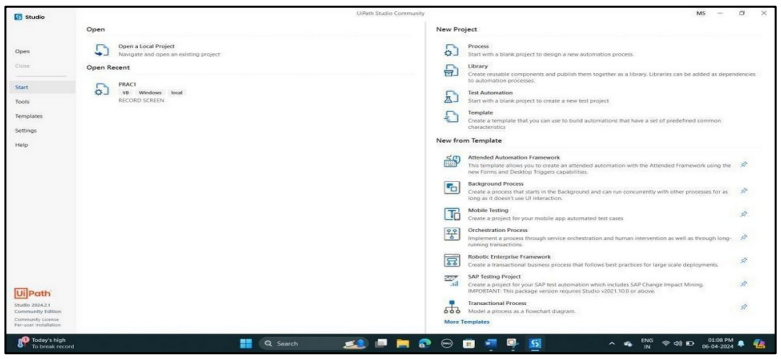
Steps- Follow are the given steps for performing the following practical:

1. Install the UiPath studio after installing the application we get to see the following icon on your desktop.

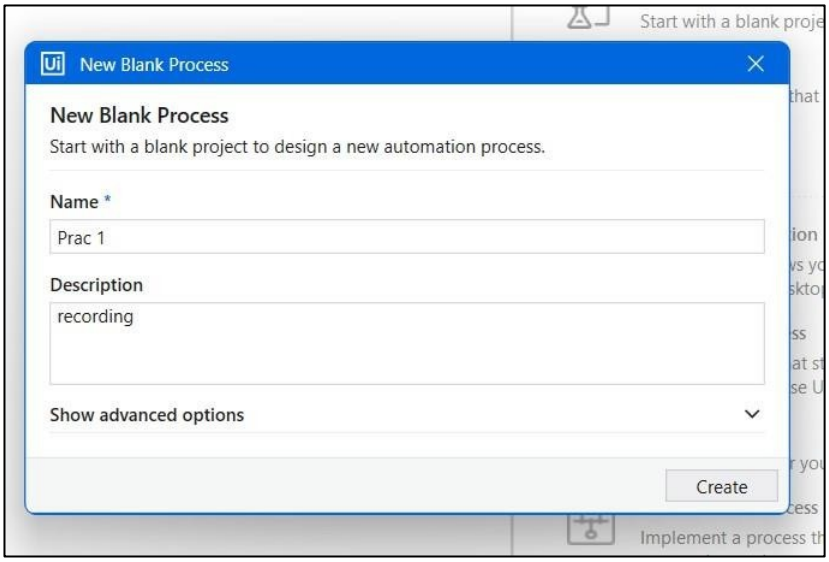
2. The following interface of UiPath studio will be seen.



3. After starting the UiPath -> Select the blank process as shown in the below image.

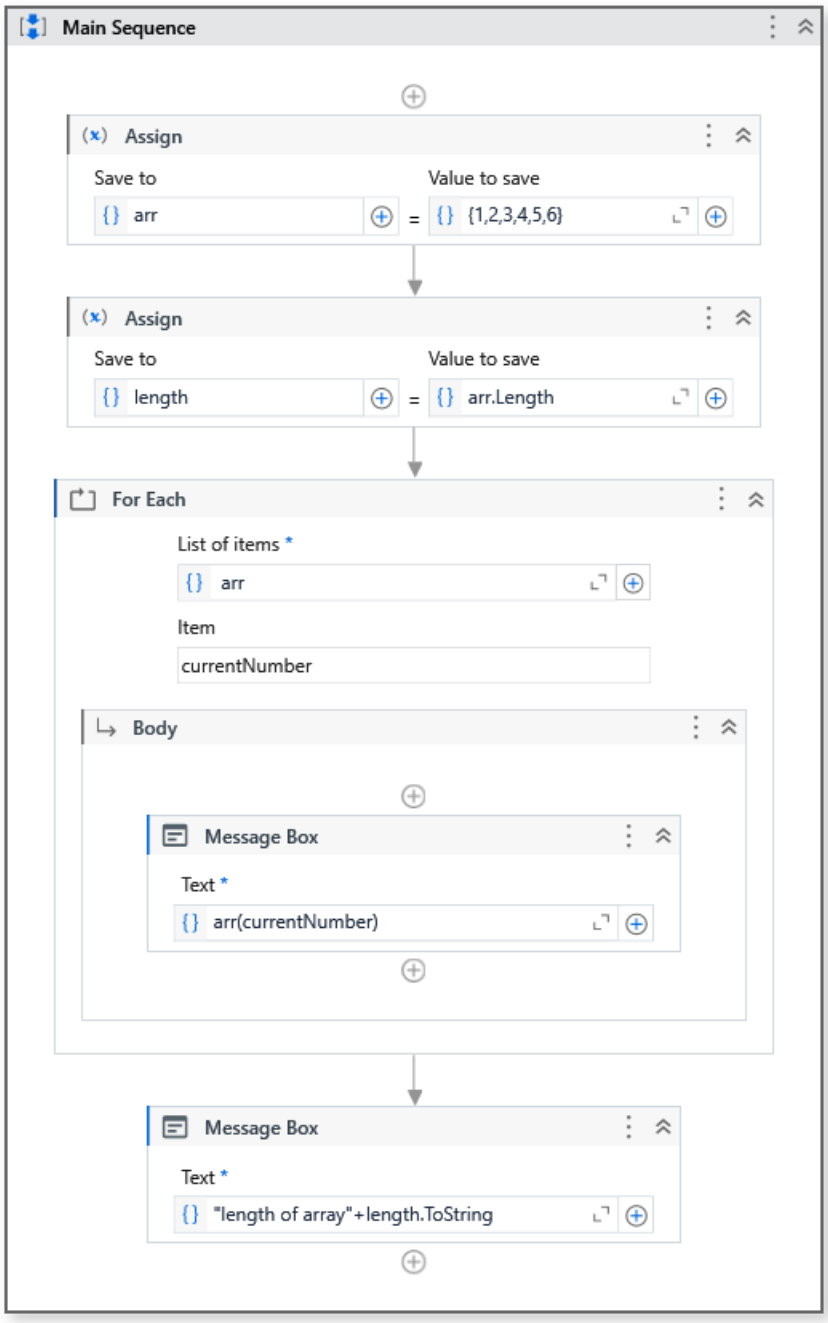
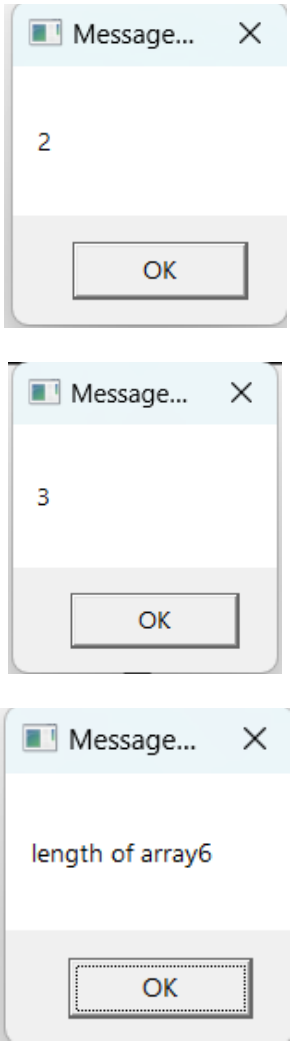


4. Named your 1st blank process-> then click on create.



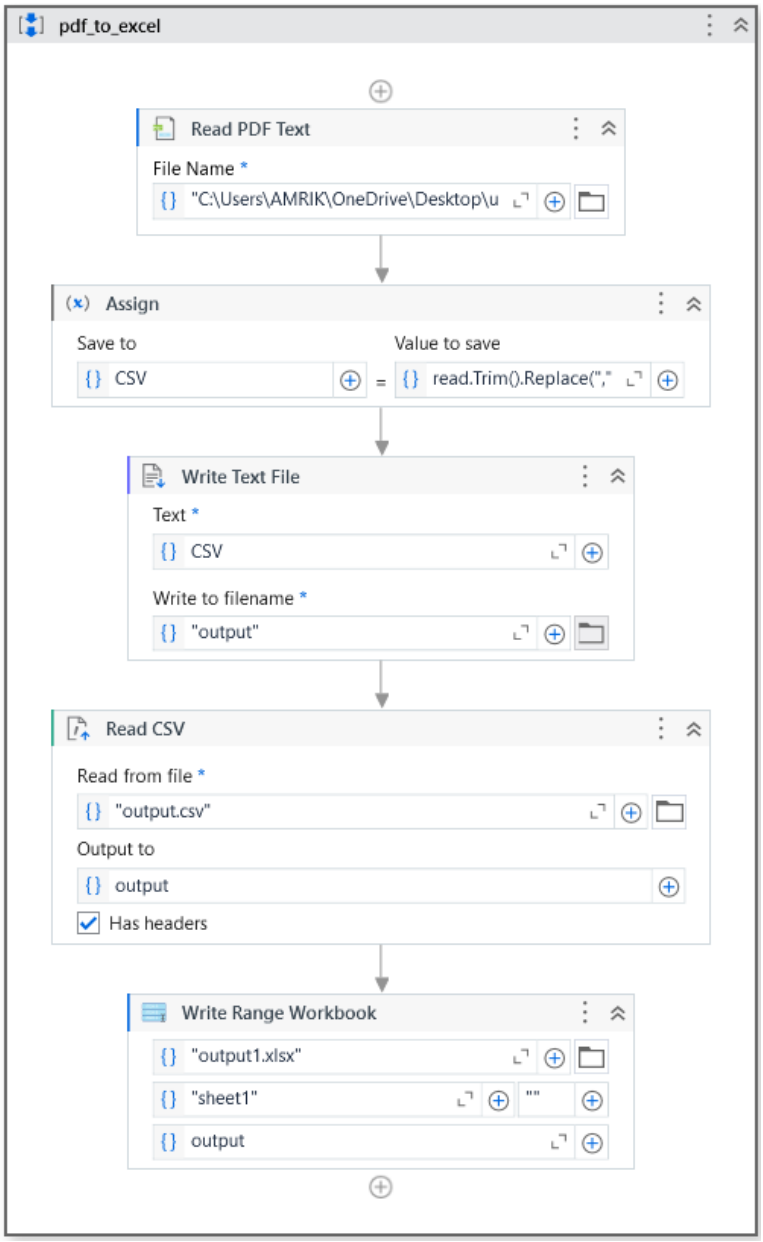
5. Now start performing below practicals

A. Create an automation process that goes through each element of an array write the length of array and each element to output panel.

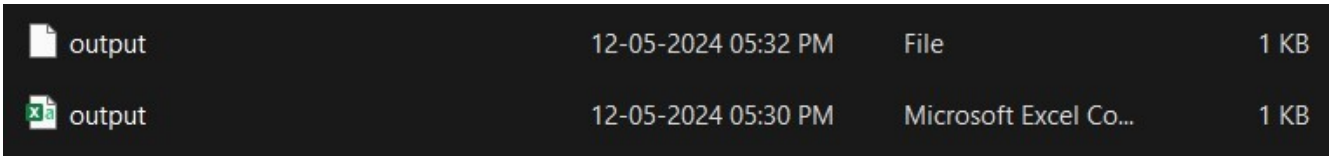
Template:	O/P:
	

B. Perform File Operation Like Read cell, write cell, read range, write range, append range.

Template:



O/P:



Practical 5

Aim: File Processing

Theory: In UiPath, there are specific activities designed to handle PDF, CSV, and Word files.
PDF Activities

1. Read PDF Text
Description: Extracts all text from a PDF file.
Output: Stores the extracted text in a string variable.

2.Read PDF with OCR
Description: Extracts text from a PDF file using OCR (Optical Character Recognition). Useful for PDFs with images or scanned text.
Output: Stores the extracted text in a string variable.
OCR Engine: Specifies the OCR engine to use.

3. Read CSV
Description: Reads a CSV file and outputs a DataTable.
Delimiter: (Optional) Specifies the delimiter used in the CSV file (default is comma).
Output: Stores the CSV data in a DataTable variable.

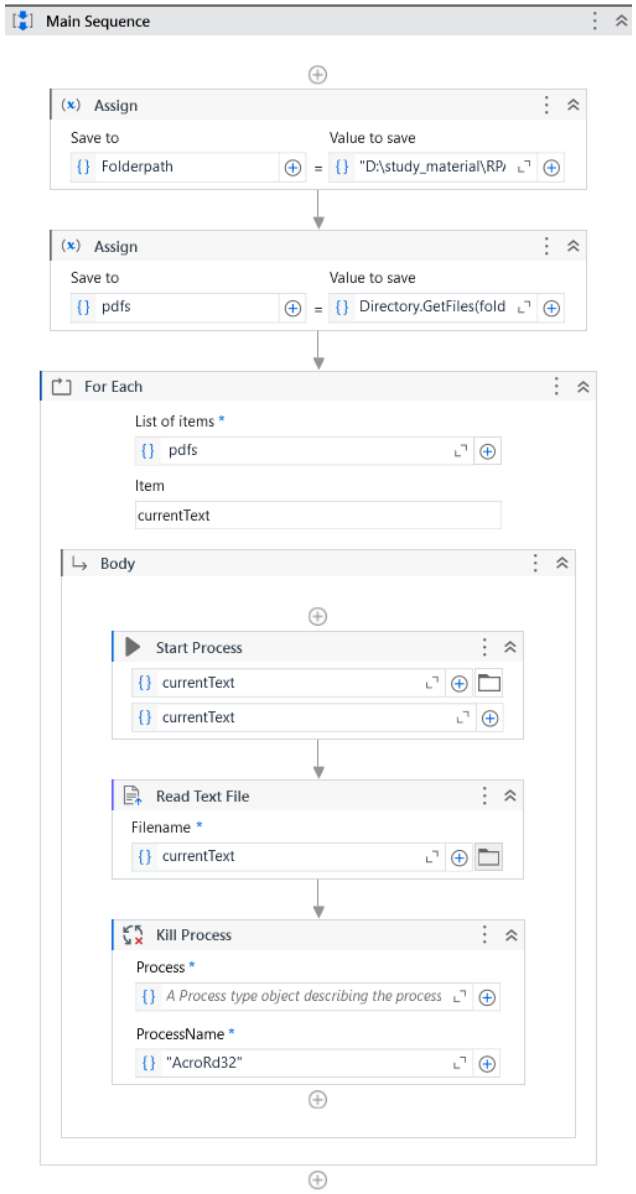
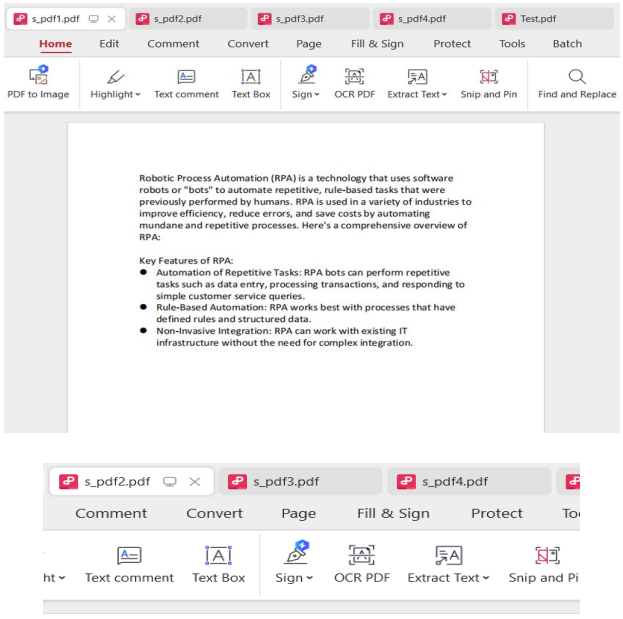
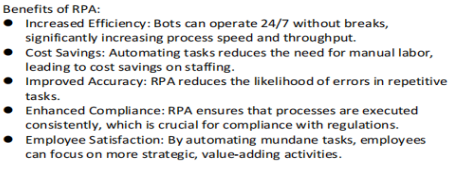
4.Write CSV
Description: Writes a DataTable to a CSV file.
Input: The DataTable to write to the CSV file.
Delimiter: (Optional) Specifies the delimiter to use in the CSV file (default is comma).

4. Write Text
Description: Writes text to a Word document.
Text: The text to write to the Word document.
Append: (Optional) If set to true, appends the text to the existing content. If false, overwrites the content.

A. Design a process to read all PDF files from a folder and then close them all.

Steps:

1.Set Up the Project:
Open UiPath Studio and create a new process.
2.Define Variables and Arguments:
Create a variable to hold the folder path, e.g., folderPath (String).
Create a variable to store the list of PDF files
3.Get PDF Files:
Use the Assign activity to get all PDF files from the folder:
Ex .pdfFiles = Directory.GetFiles(folderPath, "*.pdf")
4.Loop Through PDF Files:
Use a For Each activity to loop through each file in the pdfFiles array.
Set the type argument to String.
5.Open and Process PDF Files:
Within the For Each loop, use the Start Process activity to open each PDF file.
Set the FileName property to item (each PDF file path).
6. Perform Read text operation by drag and drop read text activity in for each body.
7. After processing each PDF, use the Kill Process activity to close the PDF reader application

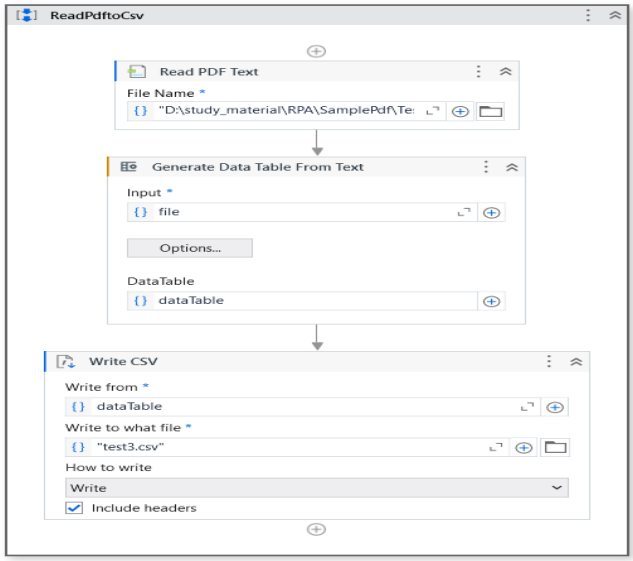
Template:	**O/P:**
	PDF will be open to read  

B. Read PDF and Convert into CSV/Word

Step:

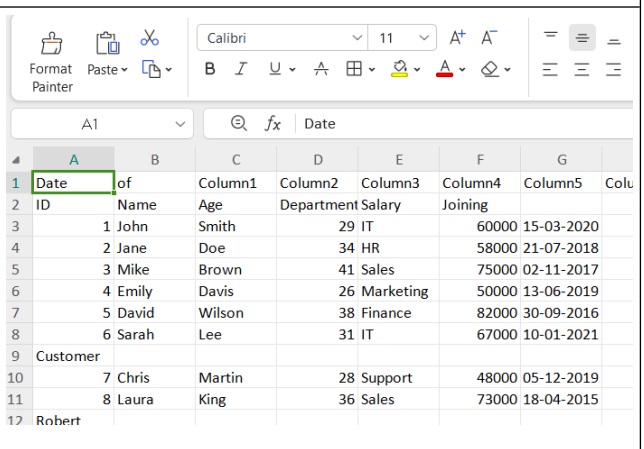
Initialize Variables:
Create variables for the PDF file path, the extracted text, and the DataTable to hold the CSV data.
Read PDF Text:
Use the Read PDF Text activity to read the text from the PDF file.
Parse Text:
Use string manipulation activities to parse the extracted text into a tabular format. This step will depend on the structure of the text in your PDF.
Build Data Table:
Create a DataTable to store the parsed data.
Write to CSV:
Use the Write CSV activity to write the DataTable to a CSV file.

Template:



I/P PDF	O/P

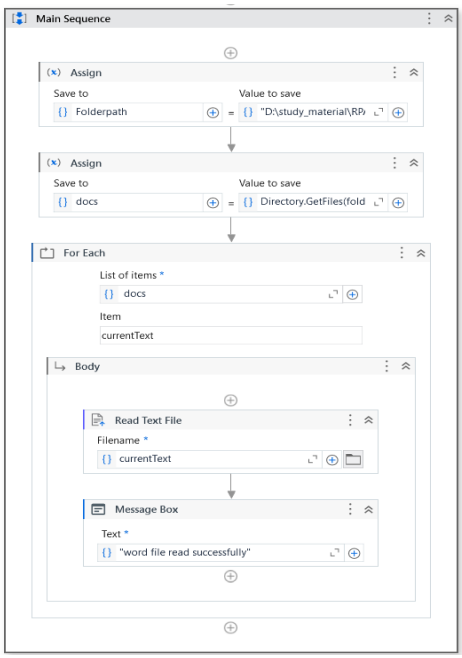
ID	Name	Age	Department	Salary	Date of Joining
1	John Smith	29	IT	60000	15-03-2020
2	Jane Doe	34	HR	58000	21-07-2018
3	Mike Brown	41	Sales	75000	02-11-2017
4	Emily Davis	26	Marketing	50000	13-06-2019
5	David Wilson	38	Finance	82000	30-09-2016
6	Sarah Lee	31	IT	67000	10-01-2021
			Customer		
7	Chris Martin	28	Support	48000	05-12-2019
8	Laura King	36	Sales	73000	18-04-2015
	Robert				
9	White	45	Finance	90000	27-08-2013



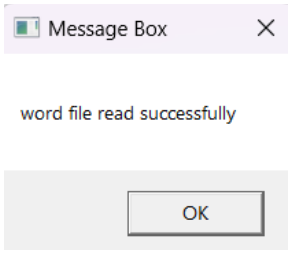
	A	B	C	D	E	F	G
1	Date	of	Column1	Column2	Column3	Column4	Column5
2	ID	Name	Age	Department	Salary	Joining	
3	1	John	Smith	29	IT	60000	15-03-2020
4	2	Jane	Doe	34	HR	58000	21-07-2018
5	3	Mike	Brown	41	Sales	75000	02-11-2017
6	4	Emily	Davis	26	Marketing	50000	13-06-2019
7	5	David	Wilson	38	Finance	82000	30-09-2016
8	6	Sarah	Lee	31	IT	67000	10-01-2021
9	Customer						
10	7	Chris	Martin	28	Support	48000	05-12-2019
11	8	Laura	King	36	Sales	73000	18-04-2015
12	Robert						

C. Design a process to read text from multiple word documents
Steps:
1.Define Variables and Arguments:
Create a variable to hold the folder path, e.g., folderPath (String).
Create a variable to store the list of word files
2.Get word Files:
Use the Assign activity to get all PDF files from the folder:
Ex .wordFiles = Directory.GetFiles(folderPath, "*.doc")
3.Loop Through PDF Files:
Use a For Each activity to loop through each file in the pdfFiles array.
Set the type argument to String.
4.Open and Process PDF Files:
Within the For Each loop, use the Start Process activity to open each PDF file.
Set the FileName property to item (each PDF file path).
5.Perform Read text operation by drag and drop read text activity in for each body.
After processing each PDF, use the Kill Process activity to close the PDF reader.

Template:



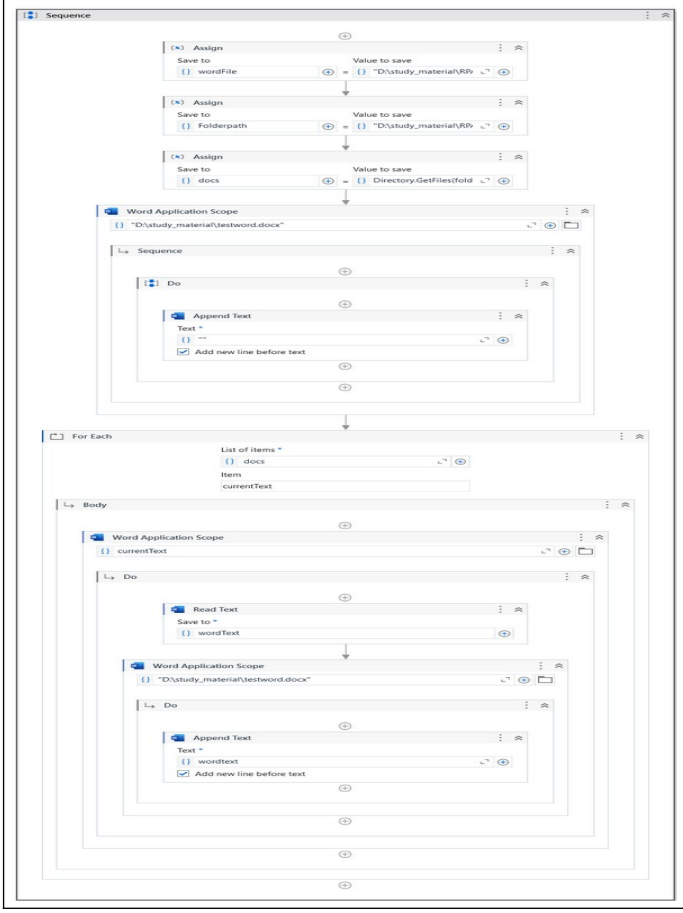
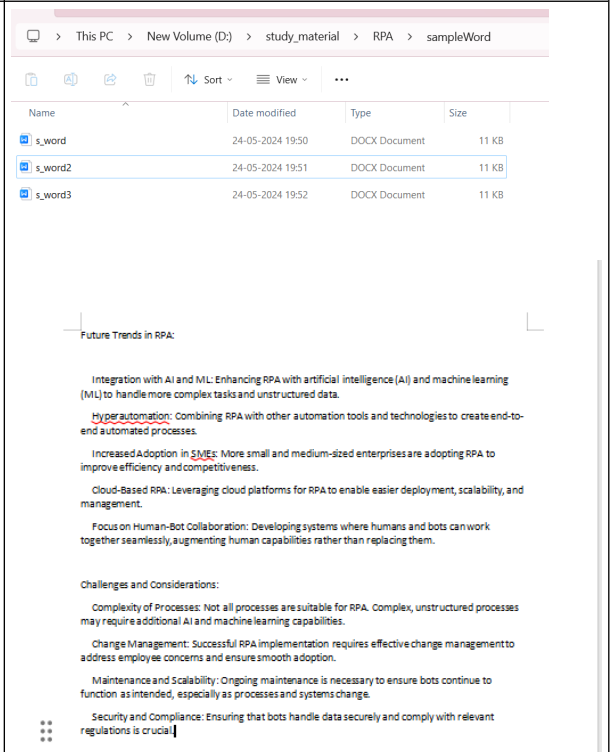
Output:



D. Design a process to Merge Multiple word files into one file

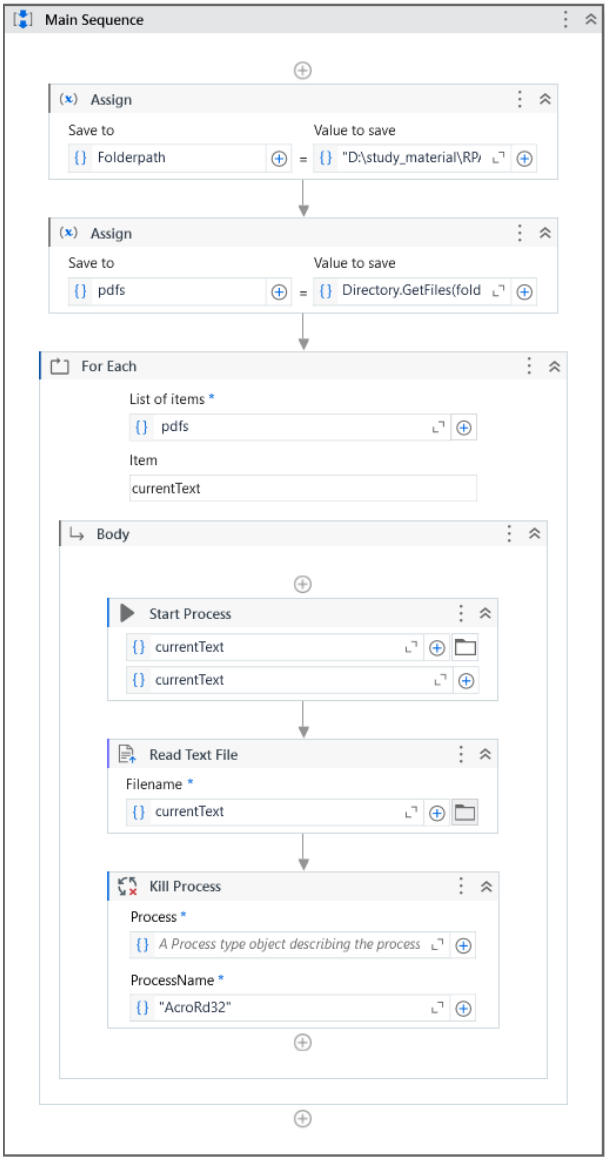
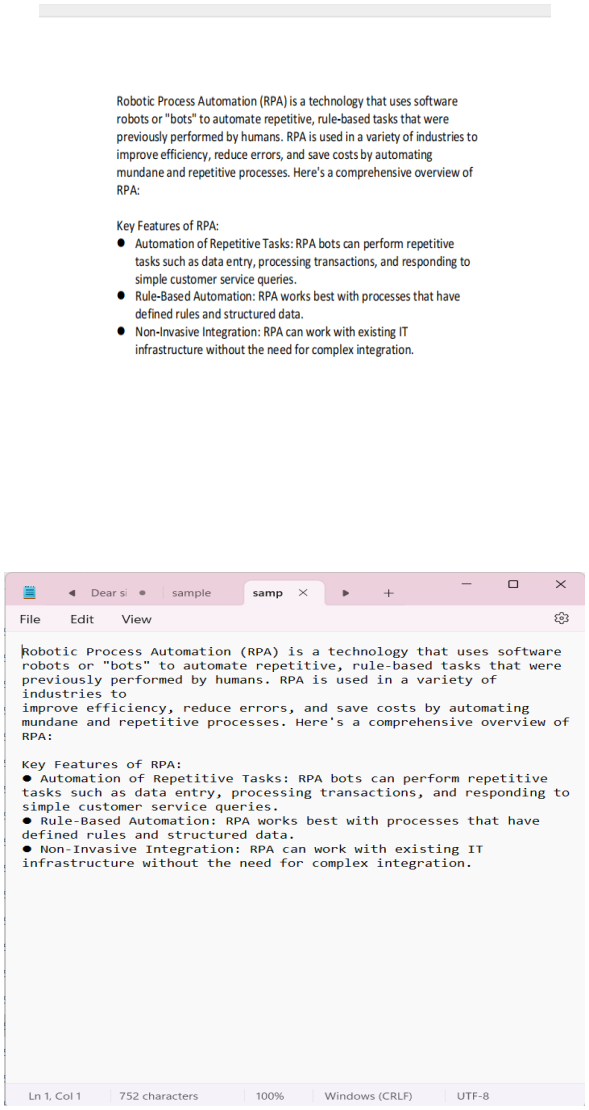
Steps:

1.Create a New Sequence
Create a new sequence in UiPath Studio where you will design your workflow.
Define the File Paths
2. Create variables to store the file paths of the Word documents you want to merge. You can use a list of strings if you have multiple documents.
3. Use Word Application Scope
Use a Word Application Scope activity to open the first document.
4. Append the Documents
Use the Append Text or Append Document activity inside the Word Application Scope to append the content of the other documents. Loop through the list of file paths starting from the second document.
5. Save and Close the Merged Document
After appending all the documents, save the merged document using the Save Document As activity within the Word Application Scope.
6.Close the Word Application Scope
Close the Word Application Scope to ensure all changes are saved and the document is closed properly.

Template:	**O/P:**
	

E. Create an automation for PDF to Text Conversion

Steps:
1.Create a New Sequence
Create a new sequence in UiPath Studio where you will design your workflow.
2.Define the File Paths
Create variables to store the file paths of the PDF file and the output text file
3.Define the File Paths
Create variables to store the file paths of the PDF file and the output text file
4.Use Read PDF Text Activity
Use the Read PDF Text activity to read the text from the PDF file.
Input: pdfFilePath
Output: pdfText (String variable to hold the text content.
5.Write Text to File
Use the Write Text File activity to save the text content into a text file.
Input: textFilePath (path to save the text file)
Input: pdfText (the text content from the PDF)

Template:	**O/P:**
	

Practical 6

Aim: Advanced Automation

Theory:
In UiPath, you can interact with web browsers using the "Open Browser" activity to launch a browser and navigate to a specific URL. Then, to interact with elements on the webpage, you can use the "Click" activity from the "UI Automation" category
you can create a UiPath automation workflow to interact with web browsers and perform various actions like clicking on UI elements.
1. Try Catch Activity
The Try Catch activity is used to handle exceptions that may occur during the execution of a sequence of activities. It allows you to define a block of activities to try, and one or more catch blocks to handle specific exceptions.
2. FormatException
FormatException is thrown when the format of an argument does not meet the parameter specifications of the invoked method. For example, attempting to convert a non-numeric string to a number will throw a FormatException.
3. System.Exception
System.Exception is the base class for all exceptions in .NET. Catching System.Exception will handle any exceptions that are not caught by more specific catch blocks.

A. Create a workflow that will input data from a spreadsheet into the form fields of RPA Challenge

Steps:

1.Read Data from Spreadsheet:

Use the Excel Application Scope activity to open your Excel file.

Use the Read Range activity within the Excel Application Scope to read the data from the spreadsheet into a DataTable.

2.Use Application/Browser Activity:

Drag and drop the Use Application/Browser activity into your workflow.

Configure this activity to point to the specific browser application or an already open browser window.

Inside the Use Application/Browser container, add the activities to interact with the form fields.

3.Iterate Through DataTable:

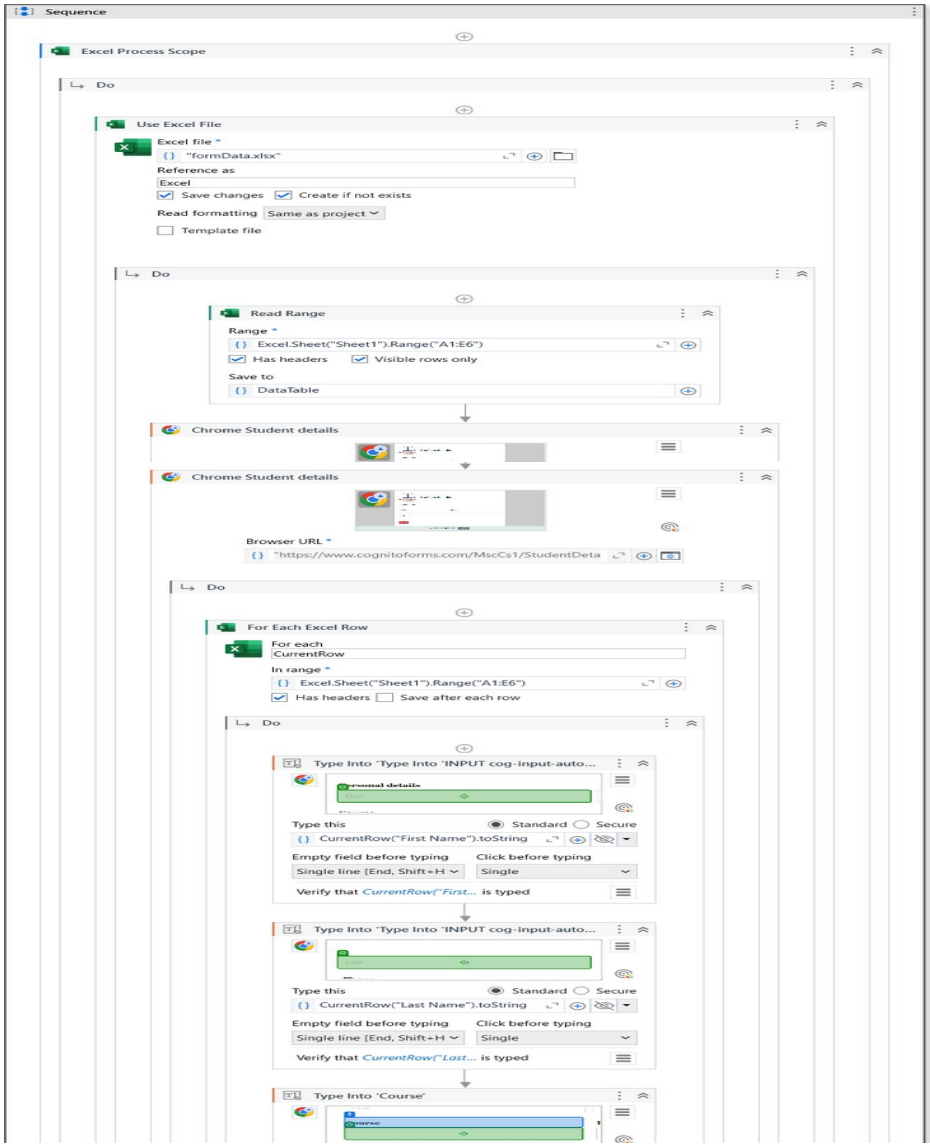
Use a For Each Row activity to loop through each row in the DataTable obtained from the spreadsheet.

4.Input Data into Form Fields:

Inside the For Each Row loop, use appropriate activities such as Type Into and Click to enter the data into the form fields.

You can use dynamic selectors or directly indicate the fields on the web form using UiPath's recorder or selector editor.

Template:

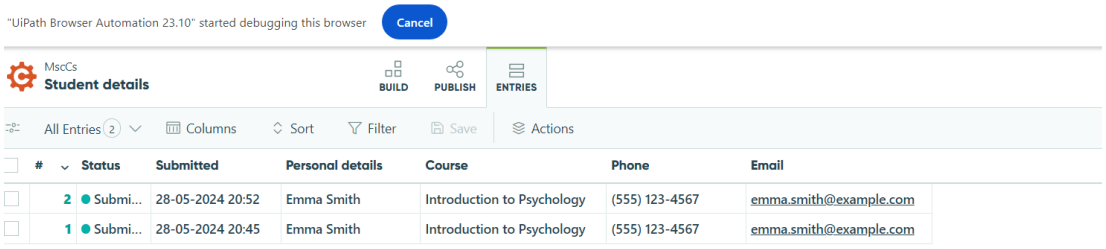


Output:

Input spreadsheet and form

E9

	A	B	C	D	E
	First Name	Last Name	course	Phone	Email
	Emma	Smith	Introduction to Psychology	(555) 123-4567	emma.smith@example.com
	Liam	Johnson	Principles of Marketing	(555) 987-6543	liam.johnson@example.com
	Sophia	Williams	Data Structures and Algorithms	(555) 246-8102	sophia.williams@example.com
	Ethan	Brown	Environmental Science	(555) 369-2580	ethan.brown@example.com
	Mia	Garcia	Modern Art History	(555) 112-3344	mia.garcia@example.com

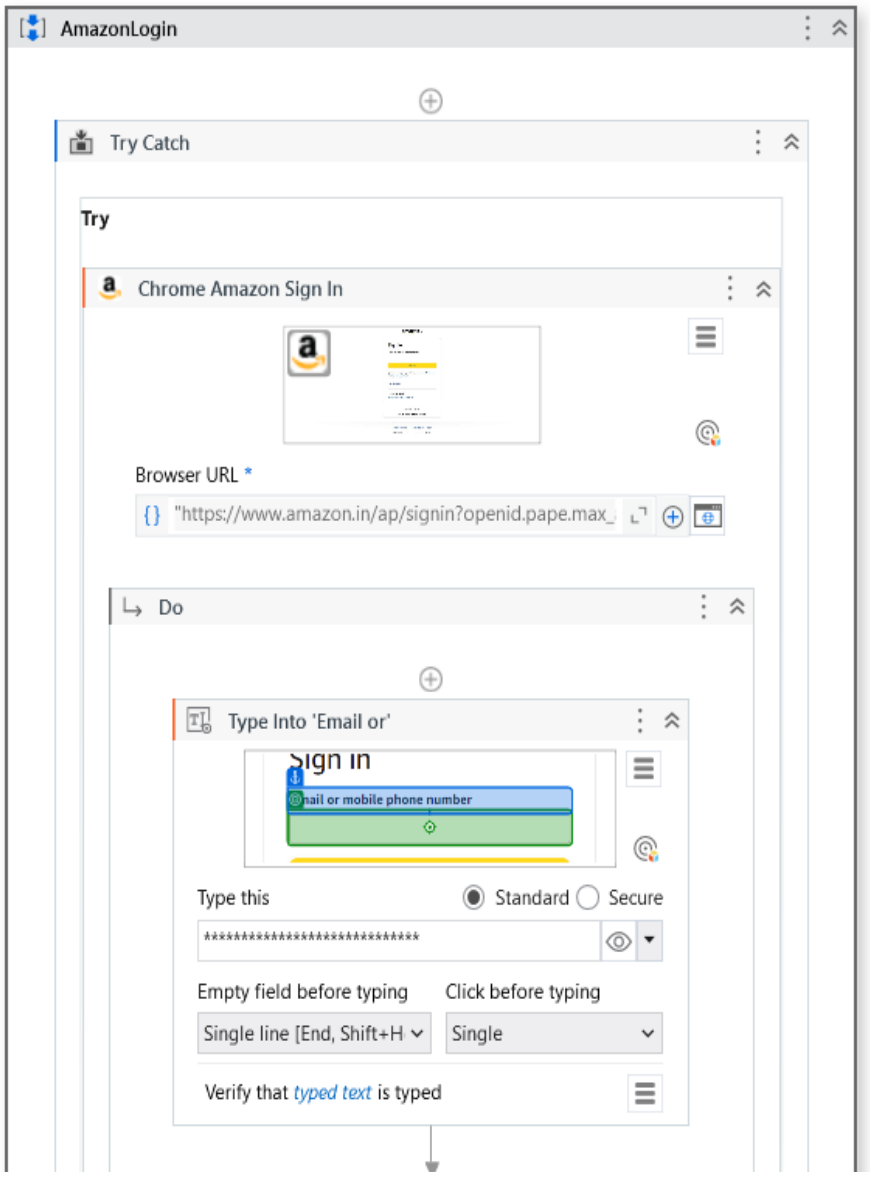


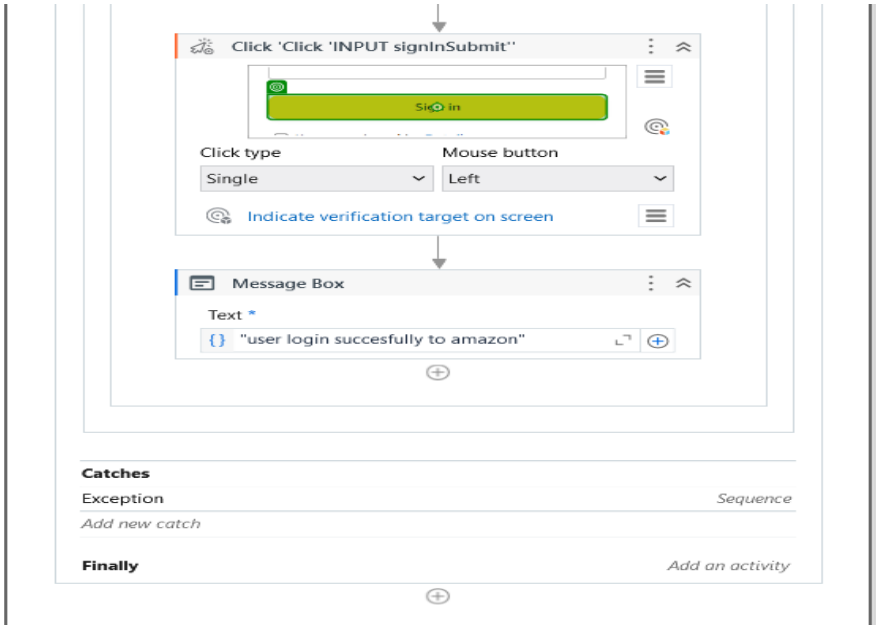
B. Create a process to login to Amazon website and recover if browser Crashes.

Steps:

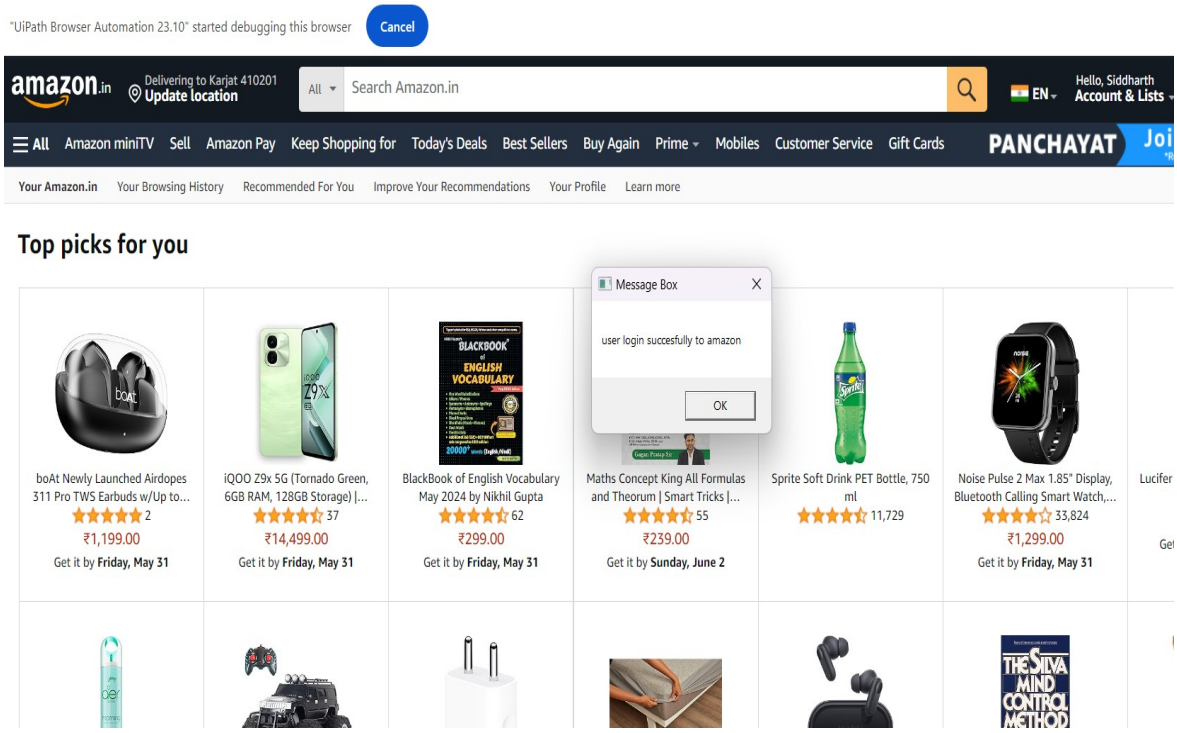
1.Open UiPath Studio and create a new project.
Add the necessary dependencies, such as UiPath.UIAutomation.Activities.
2.Define Variables:
Create variables for storing login credentials (e.g., username, password).
Create a variable to store the URL of the Amazon login page (e.g., amazonLoginUrl).
3.Use Application/Browser Activity:
Drag and drop the "Use Application/Browser" activity into the Main workflow.
In the "ApplicationPath" field, enter the URL of the Amazon login page (e.g., https://www.amazon.com/ap/signin).
4.Set the "BrowserType" property to the appropriate browser (e.g., Chrome, Firefox).
5.Handle Login:
Inside the "Use Application/Browser" container, use activities to automate the login process:
Use "Type Into" activities to enter the username and password.
Use "Click" activities to click the "Sign-In" button.
6.Error Handling:
Add a "Try Catch" activity to handle potential errors or browser crashes.
Place the "Use Application/Browser" activity inside the "Try" block.
In the "Catch" block, handle specific exceptions like System.Exception

Template:




Click 'Click 'INPUT signInSubmit''
Sign in
Click type
Single
Mouse button
Left
Indicate verification target on screen
Message Box
Text *
"user login succesfully to amazon"
Catches
Exception
Sequence
Add new catch
Finally
Add an activity

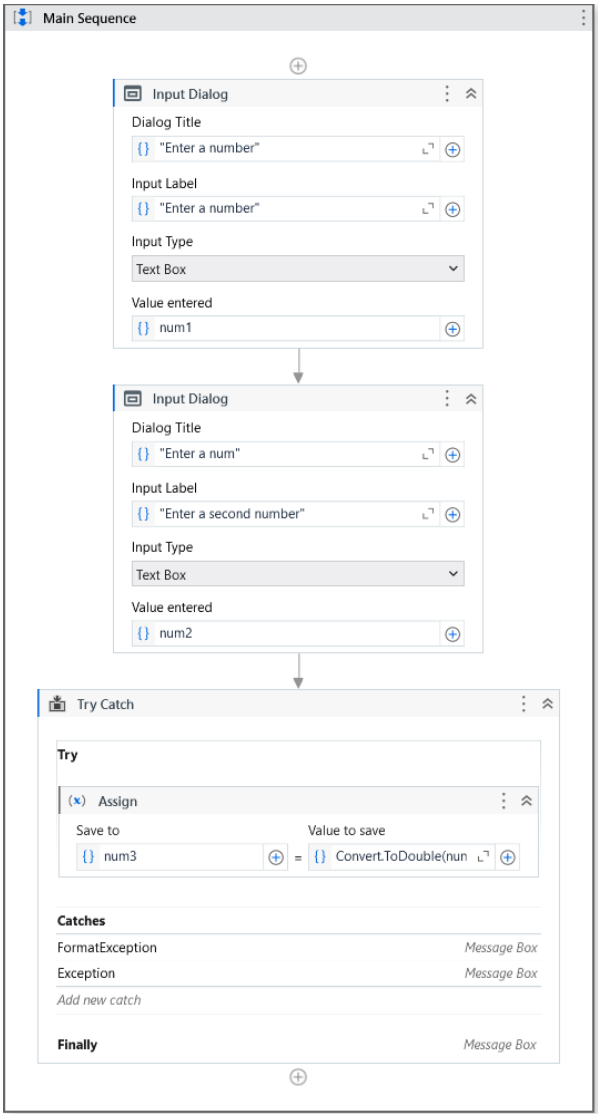
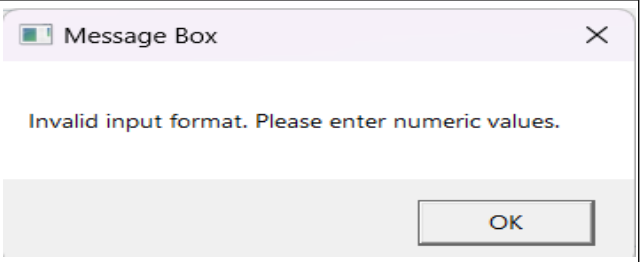
Output:


"UiPath Browser Automation 23.10" started debugging this browser
Cancel
amazon.in
Delivering to Karjat 410201
Update location
Search Amazon.in
Hello, Siddharth
Account & Lists
All
Amazon miniTV
Sell
Amazon Pay
Keep Shopping for
Today's Deals
Best Sellers
Buy Again
Prime
Mobiles
Customer Service
Gift Cards
PANCHAYAT
Your Amazon.in
Your Browsing History
Recommended For You
Improve Your Recommendations
Your Profile
Learn more
Top picks for you
Message Box
user login succesfully to amazon
OK
boAt Newly Launched Airdopes 311 Pro TWS Earbuds w/Up to...
₹1,199.00
Get it by Friday, May 31
iQOO Z9x 5G (Tornado Green, 6GB RAM, 128GB Storage) |...
₹14,499.00
Get it by Friday, May 31
BlackBook of English Vocabulary May 2024 by Nikhil Gupta
₹299.00
Get it by Friday, May 31
Maths Concept King All Formulas and Theorum | Smart Tricks |...
₹239.00
Get it by Sunday, June 2
Sprite Soft Drink PET Bottle, 750 ml
11,729
Noise Pulse 2 Max 1.85" Display, Bluetooth Calling Smart Watch,...
33,824
₹1,299.00
Get it by Friday, May 31

C. Handling the Format exception and System exception in basic calculation program

Steps:

1. Create Variables
input1 (String)
input2 (String)
2. Input Dialogs
Title: "Enter the first number"
Label: "Please enter the first number:"
Store the result in input1
3.Try Catch Activity
Add a Try Catch activity to handle potential exceptions.
4.Try Block
Add activities inside the Try block to perform the conversion and calculation
5.Catch Blocks
Add two Catch blocks:
FormatException:
Add a Message Box activity to display an error message for invalid input formats
System.Exception:
Add a Message Box activity to display a general error message for unexpected errors

Template	**O/P**
	 

Practical 7

Aim: Web Recording

Theory:
Web recording automation in UiPath allows you to capture actions performed on web applications and websites, enabling the automation of repetitive web-based tasks.

- Web recording automation in UiPath is a powerful tool that can be used in various scenarios across different industries. Here are some common uses
- Automating Form Filling: Automatically fill out forms on websites, reducing manual entry and increasing accuracy.
- Web Scraping: Extract structured data from web pages for reporting, analysis, or further processing. This can include data such as product prices, stock information, or contact details.

Advantages of Using Web Recording Automation:
Efficiency: Reduces the time taken to perform repetitive tasks.
Accuracy: Minimizes human error in data entry and processing.
Scalability: Can handle a large volume of transactions or data extractions without degradation in performance.
By leveraging web recording automation in UiPath, businesses can streamline their processes, improve accuracy, and achieve significant operational efficiencies across a wide range of applications.

A. Automate word file using basic recording

Steps:

1. Open UiPath Studio:
2. Create a New Sequence:

In the main panel, click on "New" and then select "Sequence". Name your sequence appropriately, e.g., "WordAutomationSequence".

3. Use Basic Recording:

In the UiPath ribbon, click on the "Recordings" tab.
Select "Basic" recording. This will open the recording window.

4. Start Recording Actions:

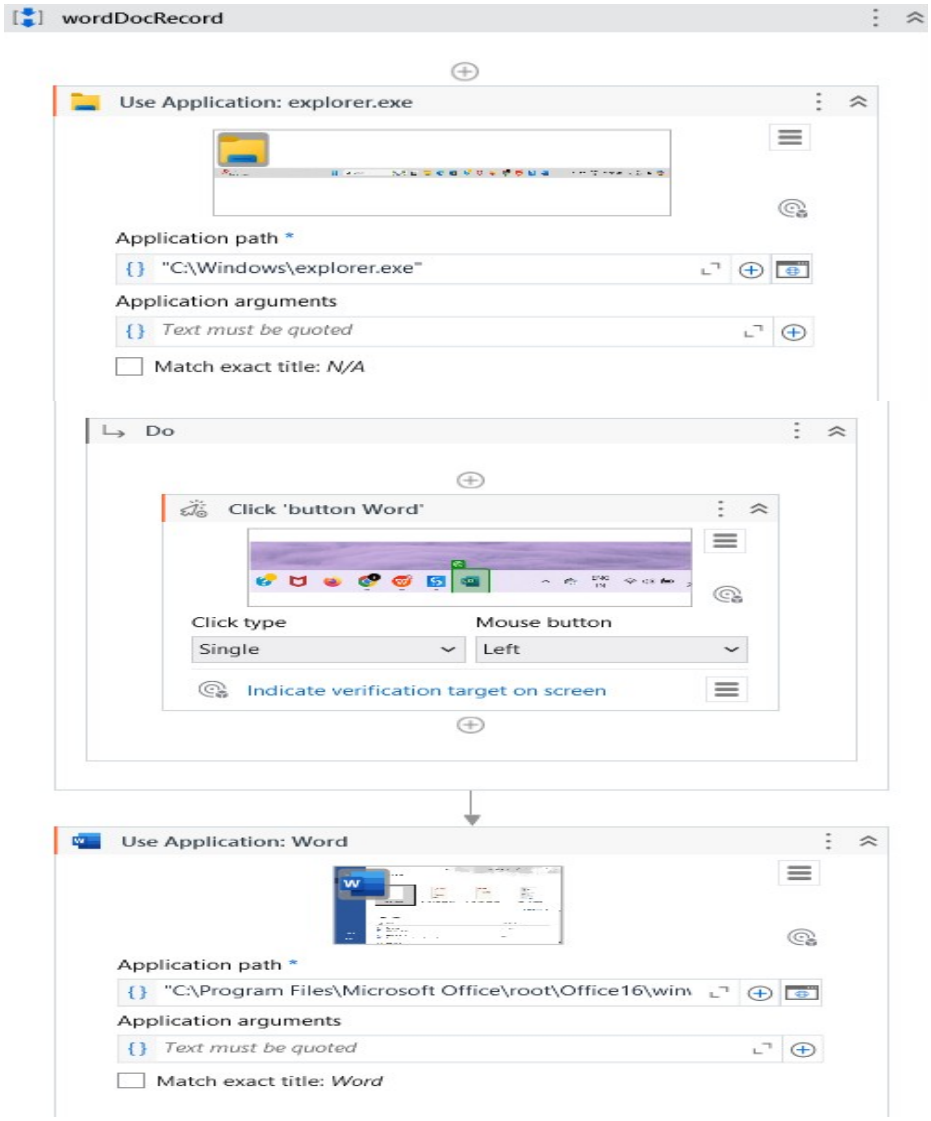
Click on "Record" to start recording your actions.
Open Microsoft Word.
Perform the actions you want to automate.

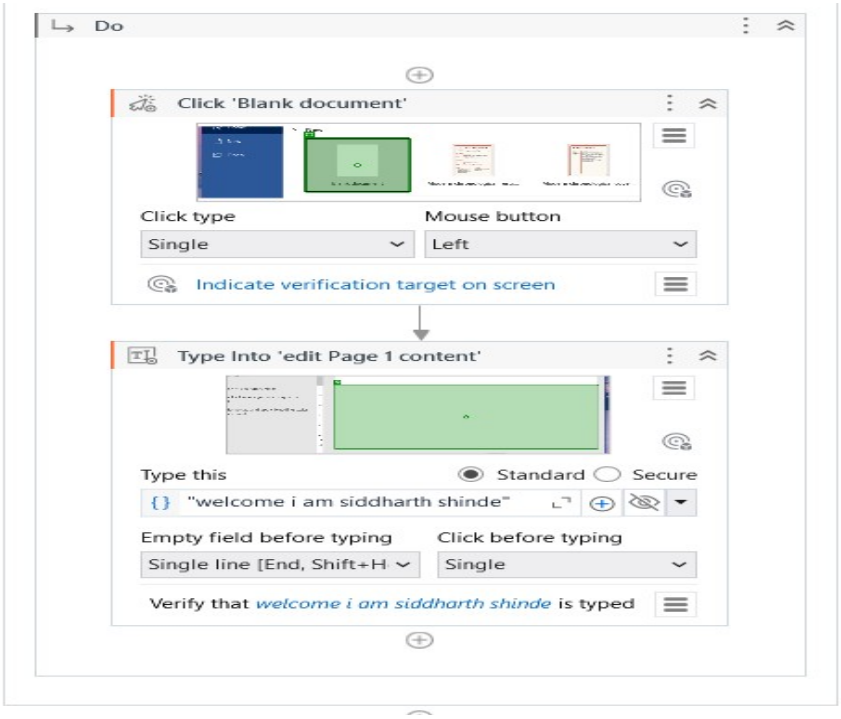
5. Stop Recording:

Once you have performed all the actions you want to automate, click on "Save & Exit". UiPath will generate activities corresponding to the recorded actions.

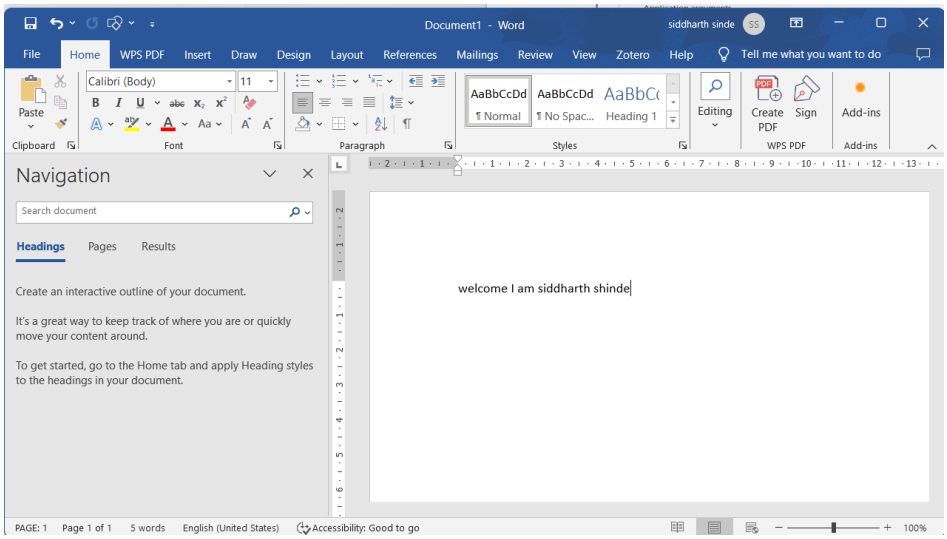
6. Review and Edit the SequenceThe recorded actions will be displayed as activities in your sequence

Template:




Do
Click 'Blank document'
Click type
Single
Mouse button
Left
Indicate verification target on screen
Type Into 'edit Page 1 content'
Type this
Standard
Secure
"welcome i am siddharth shinde"
Empty field before typing
Single line [End, Shift+H
Click before typing
Single
Verify that welcome i am siddharth shinde is typed

Output:

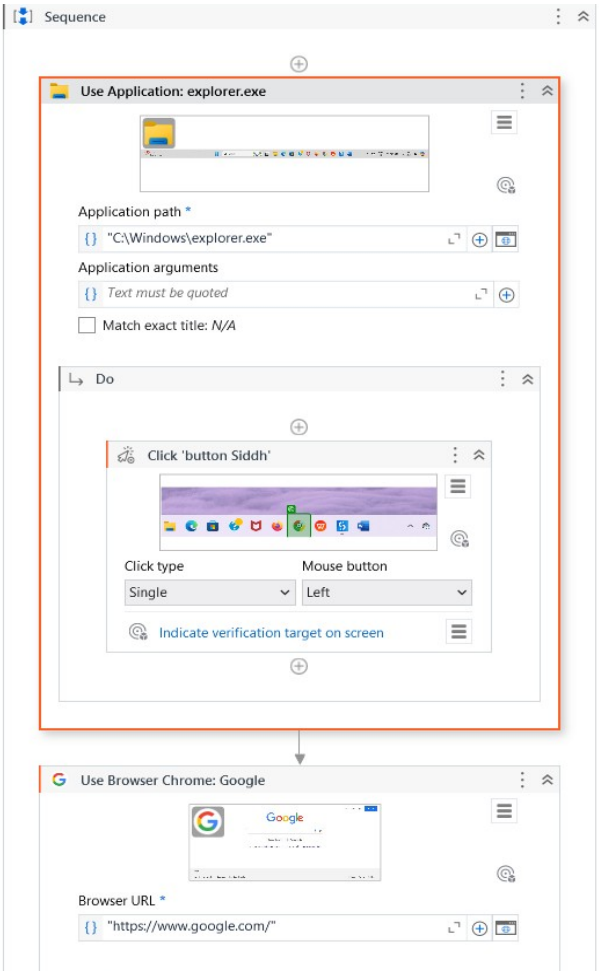

Document1 - Word
siddharth sinde
File
Home
WPS PDF
Insert
Draw
Design
Layout
References
Mailings
Review
View
Zotero
Help
Tell me what you want to do
Navigation
Search document
Headings
Pages
Results
Create an interactive outline of your document.
It's a great way to keep track of where you are or quickly move your content around.
To get started, go to the Home tab and apply Heading styles to the headings in your document.
welcome I am siddharth shinde
PAGE: 1
Page 1 of 1
5 words
English (United States)
Accessibility: Good to go
100%

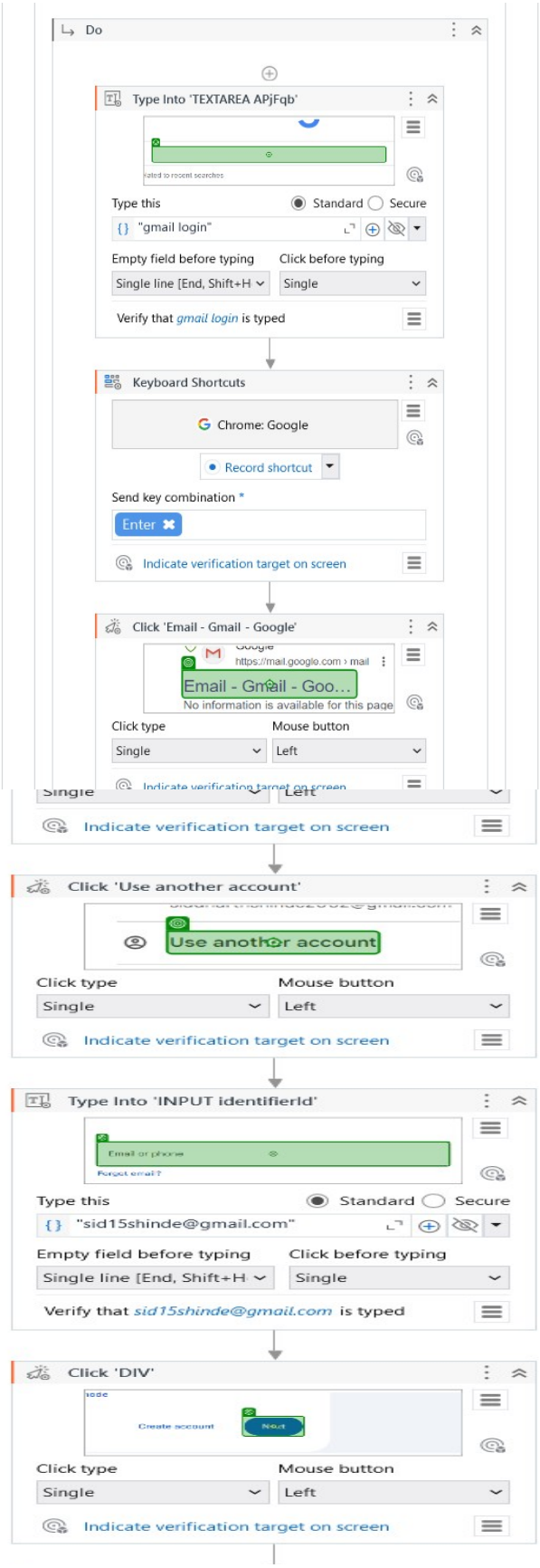
B. Create a Gmail Login Steps using Web Recording

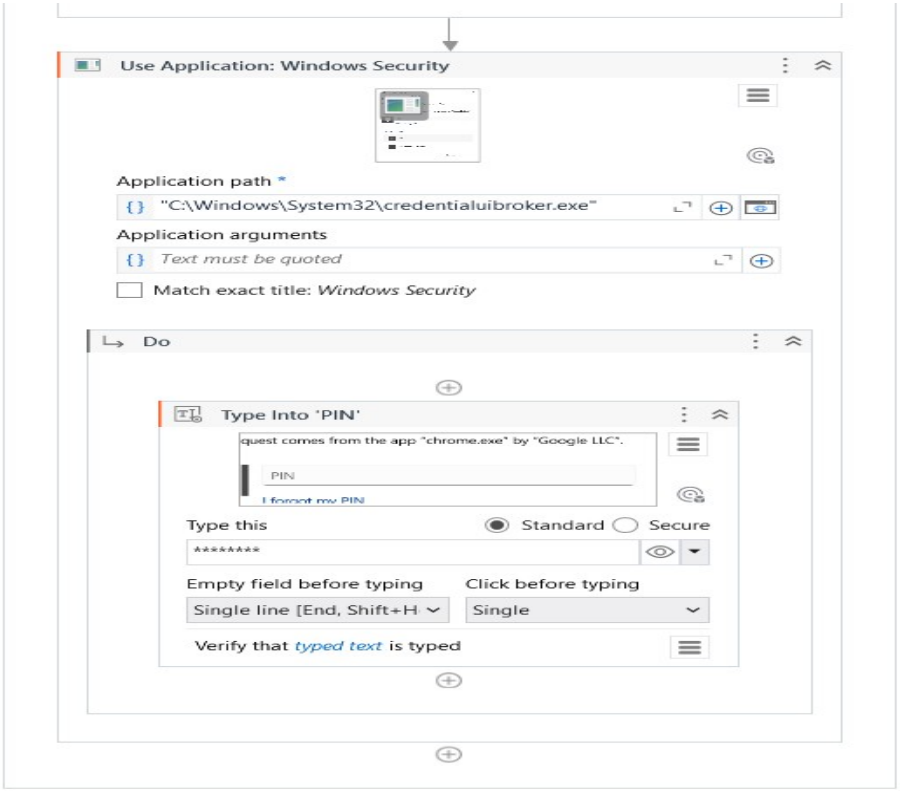
Steps:

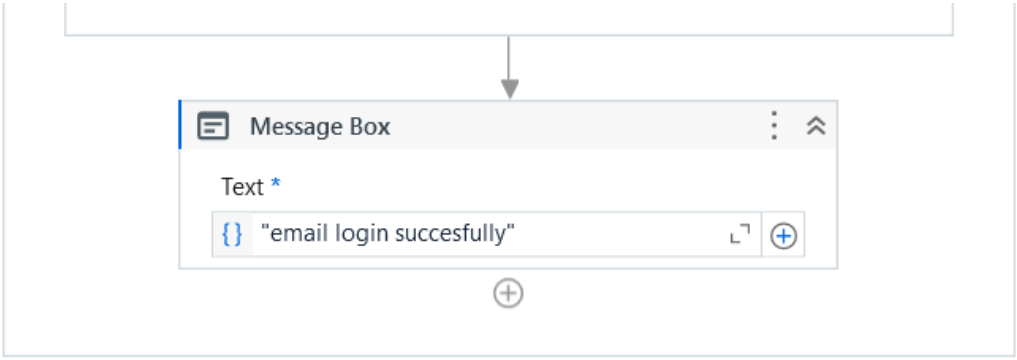
1.Create a New Sequence:
In the main panel, click on "New" and then select "Sequence". Name your sequence appropriately, e.g., "GmailLoginAutomation".
2.Open Web Recording:
In the UiPath ribbon, click on the "Recordings" tab.
Select "Web" recording. This will open the web recording window.
3.Start Recording Actions:
Click on "Record" to start recording your actions.
Open your web browser and navigate to the Gmail login page (https://mail.google.com).
4.Perform the Login Actions:
Enter your Gmail username (email address).
Click the "Next" button.
Enter your Gmail password.
Click the "Next" button to log in.
5.Stop Recording:
Once you have performed all the actions required to log into Gmail, click on "Save & Exit".
UiPath will generate activities corresponding to the recorded actions.
Edit the activities if necessary. Add delays or conditions to handle any page load times or potential issues.
6.Add Variables for Credentials:
Define variables for the Gmail username and password to avoid hardcoding sensitive information.
7.Update Activities with Variables:

Template:

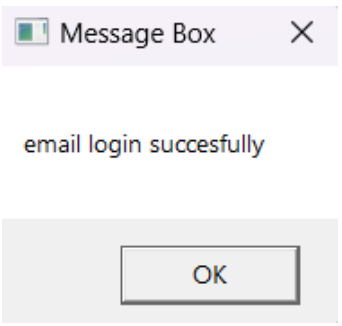


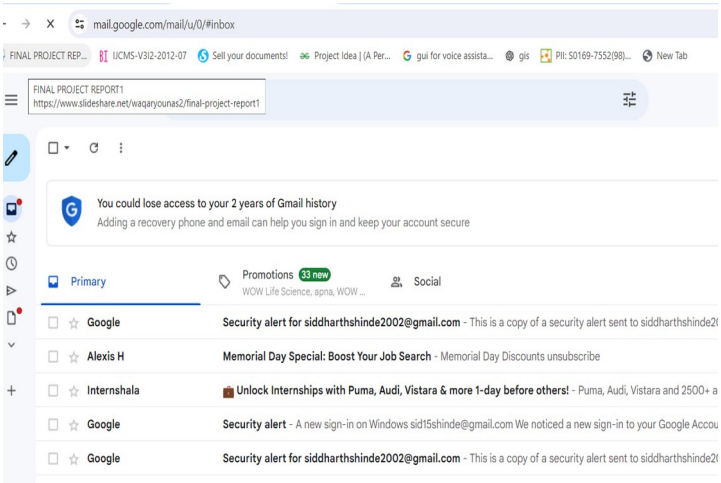

Do
Type Into 'TEXTAREA APjFqb'
Type this
Standard
Secure
"gmail login"
Empty field before typing
Click before typing
Single line [End, Shift+H
Single
Verify that gmail login is typed
Keyboard Shortcuts
Chrome: Google
Record shortcut
Send key combination *
Enter
Indicate verification target on screen
Click 'Email - Gmail - Google'
https://mail.google.com › mail
Email - Gmail - Goo...
No information is available for this page
Click type
Mouse button
Single
Left
Indicate verification target on screen
Click 'Use another account'
Use another account
Click type
Mouse button
Single
Left
Indicate verification target on screen
Type Into 'INPUT identifierId'
Email or phone
Forgot email?
Type this
Standard
Secure
"sid15shinde@gmail.com"
Empty field before typing
Click before typing
Single line [End, Shift+H
Single
Verify that sid15shinde@gmail.com is typed
Click 'DIV'
Create account
Next
Click type
Mouse button
Single
Left
Indicate verification target on screen


Use Application: Windows Security
Application path *
"C:\Windows\System32\credentialuibroker.exe"
Application arguments
Text must be quoted
Match exact title: Windows Security
Do
Type Into 'PIN'
quest comes from the app "chrome.exe" by "Google LLC".
PIN
Type this
Standard
Secure
Empty field before typing
Single line [End, Shift+H
Click before typing
Single
Verify that typed text is typed


Message Box
Text *
"email login succesfully"

Output:


Message Box
email login succesfully
OK


mail.google.com/mail/u/0/#inbox
FINAL PROJECT REPORT1
https://www.slideshare.net/waqaryounas2/final-project-report1
You could lose access to your 2 years of Gmail history
Adding a recovery phone and email can help you sign in and keep your account secure
Primary
Promotions
33 new
Social
Google
Security alert for siddharthshinde2002@gmail.com - This is a copy of a security alert sent to siddharthshinde2
Alexis H
Memorial Day Special: Boost Your Job Search - Memorial Day Discounts unsubscribe
Internshala
Unlock Internships with Puma, Audi, Vistara & more 1-day before others! - Puma, Audi, Vistara and 2500+ a
Google
Security alert - A new sign-in on Windows sid15shinde@gmail.com We noticed a new sign-in to your Google Accou
Google
Security alert for siddharthshinde2002@gmail.com - This is a copy of a security alert sent to siddharthshinde2

Practical 8

Aim: Data Table, Debugging and Exception

Theory:

Web scraping in UiPath involves extracting data from websites and automating the process using UiPath's automation tools. Web scraping in UiPath involves extracting data from websites and automating repetitive tasks. When building web scraping workflows, handling exceptions and debugging effectively are crucial for creating robust and reliable automation solutions. Table Extraction, part of the Modern Experience in Studio, enables you to use the UI Automation activity package to automatically extract structured data from applications and save it as a DataTable object that can then be further used in your automation processes

Exception Handling
Importance of Exception Handling
Exception handling ensures that your automation can gracefully handle unexpected issues without crashing.
It allows you to log errors, retry operations, or clean up resources.

Debugging
Importance of Debugging
Debugging helps identify and resolve issues in your workflow, ensuring that it behaves as expected.

A. Building Data table from Web scrapping

Steps:

1.Using the Table Extraction Recorder

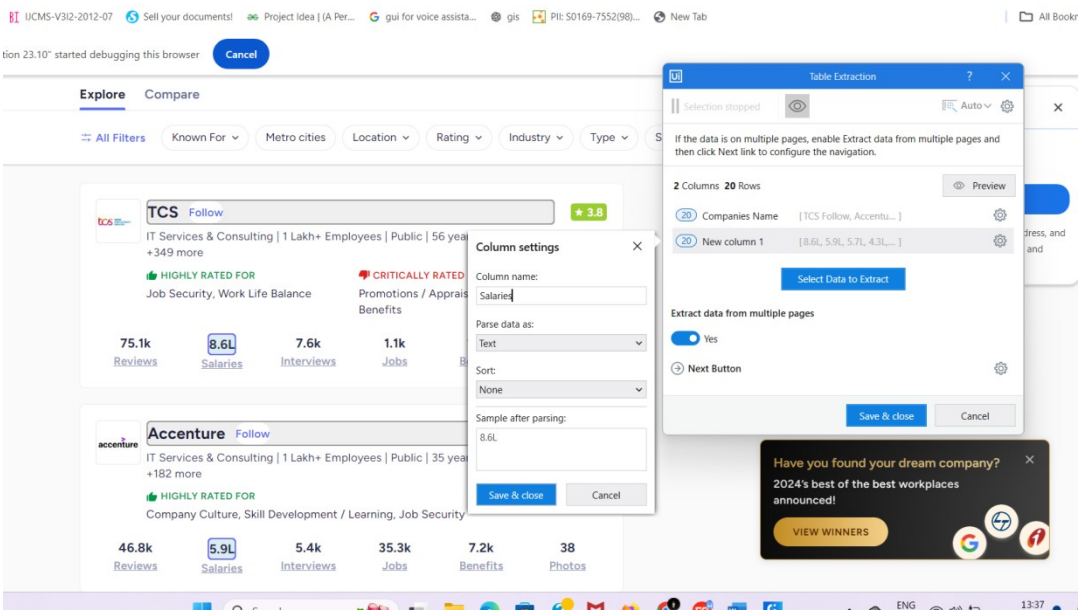
If you have the Modern Experience selected in your project, and the UI Automation activity package installed, you can find the Table Extraction recorder on the Ribbon in Studio.

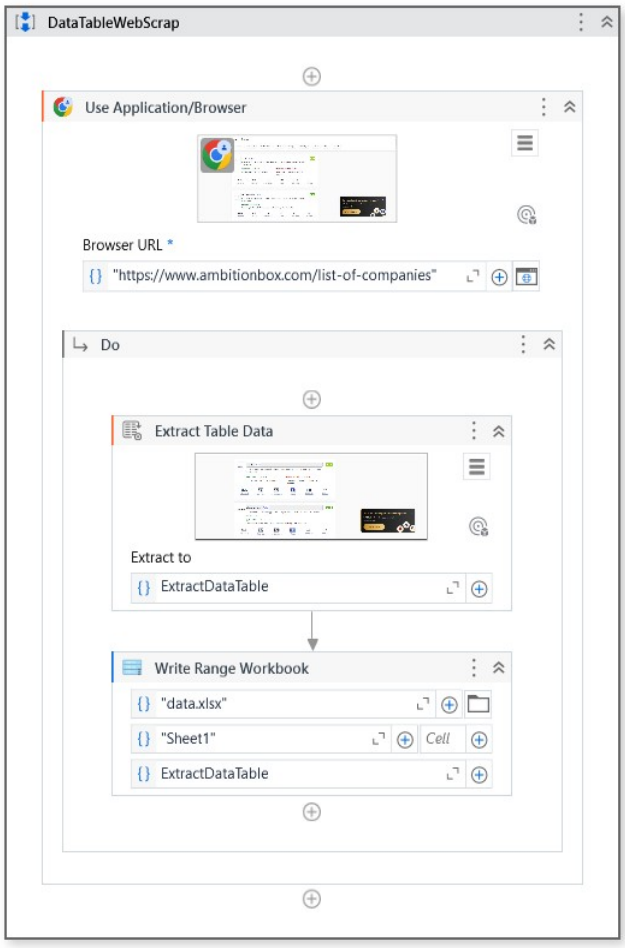
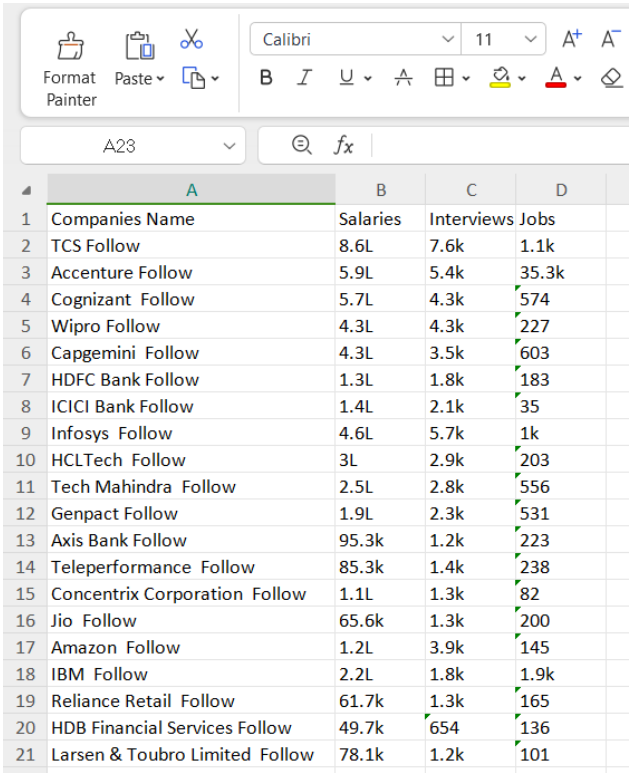
2. Clicking the Table Extraction button in the Ribbon opens up the Table Extraction wizard.

3. To begin the process of extracting data, simply click the Add Data button. This starts the process of indicating a series of similar elements that can be used to identify the table you want to create

4. after clicking a column header, the wizard prompts you with a message, asking whether you want to extract all of the available columns, which are automatically identified. Selecting Yes scrapes the entire table.

5. Once you have selected all the data you want, simply clicking the Save and return to Studio button automatically closes the wizard and saves everything you have done in your workflow.



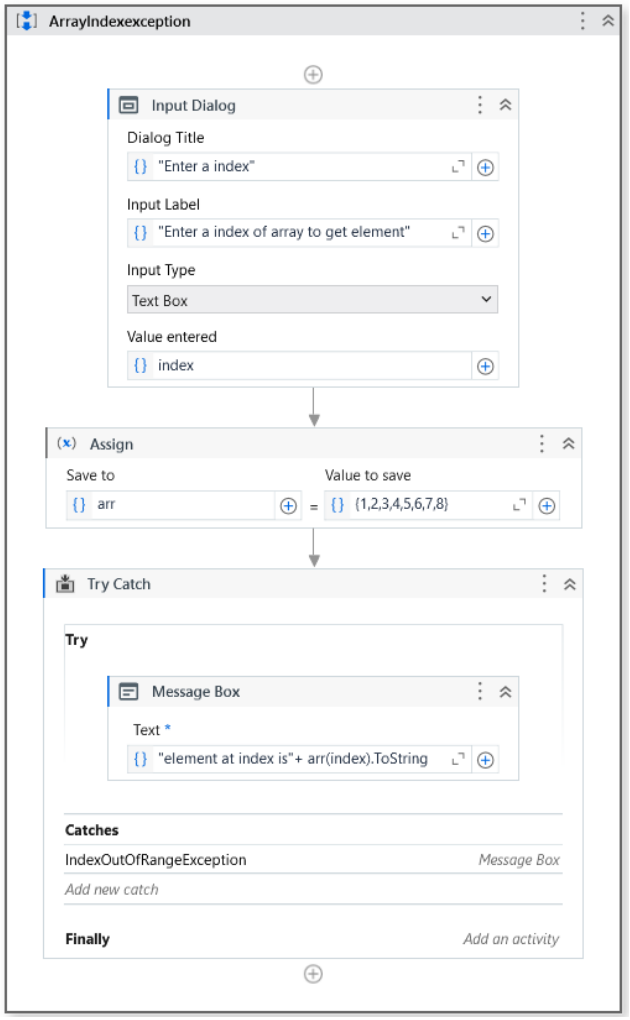
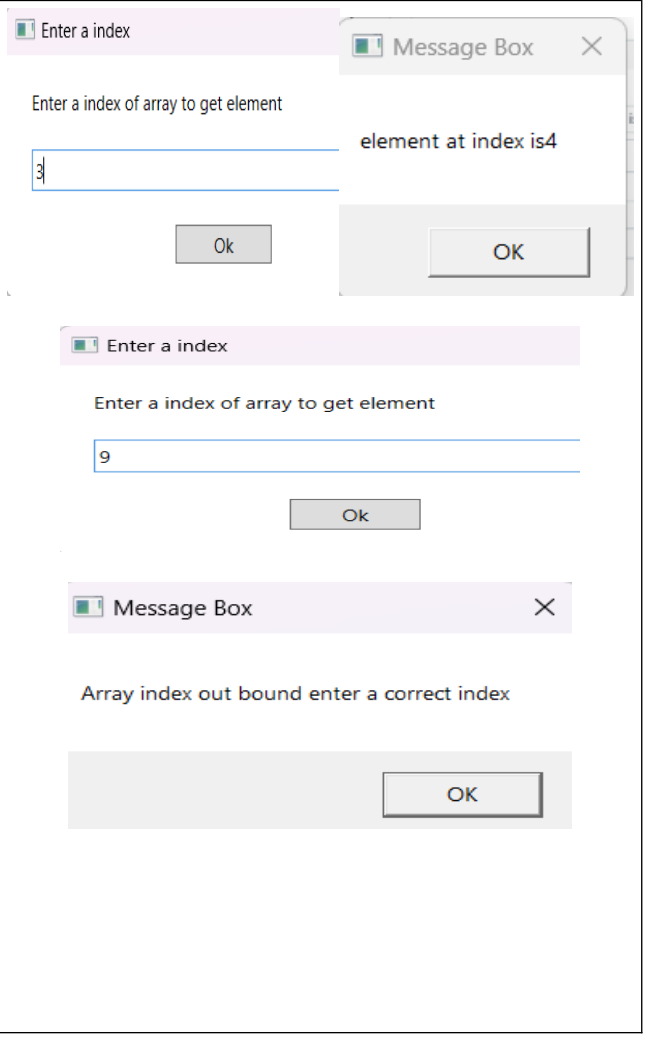
Template:	O/P:
	

	A	B	C	D
1	Companies Name	Salaries	Interviews	Jobs
2	TCS Follow	8.6L	7.6k	1.1k
3	Accenture Follow	5.9L	5.4k	35.3k
4	Cognizant Follow	5.7L	4.3k	574
5	Wipro Follow	4.3L	4.3k	227
6	Capgemini Follow	4.3L	3.5k	603
7	HDFC Bank Follow	1.3L	1.8k	183
8	ICICI Bank Follow	1.4L	2.1k	35
9	Infosys Follow	4.6L	5.7k	1k
10	HCLTech Follow	3L	2.9k	203
11	Tech Mahindra Follow	2.5L	2.8k	556
12	Genpact Follow	1.9L	2.3k	531
13	Axis Bank Follow	95.3k	1.2k	223
14	Teleperformance Follow	85.3k	1.4k	238
15	Concentrix Corporation Follow	1.1L	1.3k	82
16	Jio Follow	65.6k	1.3k	200
17	Amazon Follow	1.2L	3.9k	145
18	IBM Follow	2.2L	1.8k	1.9k
19	Reliance Retail Follow	61.7k	1.3k	165
20	HDB Financial Services Follow	49.7k	654	136
21	Larsen & Toubro Limited Follow	78.1k	1.2k	101

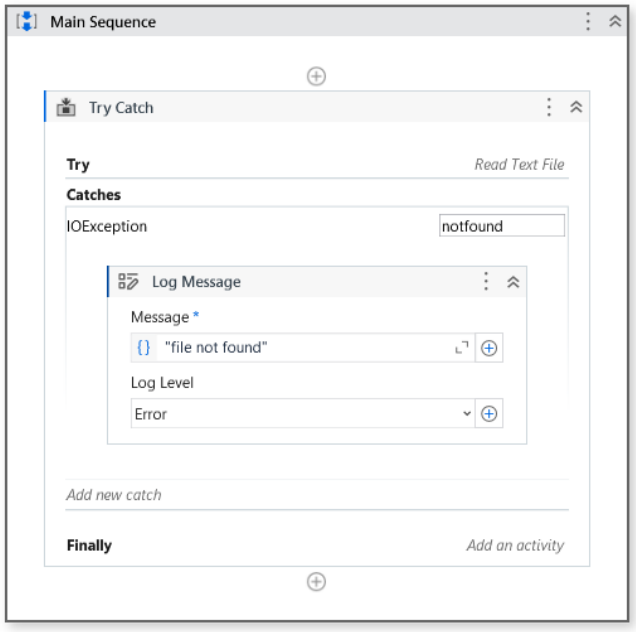
B. Handle exception

Steps:
1.drag and drop assign activity inside the sequence.
2.Set the variable for array and declare its data type.
3.In assign activity intialize array variable with some values ex. Arr={1,2,3,4,5,6}
4.Drag and drop try catch activity, inside try block perform action you want tto do.
ex. Take input dialogue box get index value from user and drag and drop message box in which it display the array value at that index.
5.Inside the catch select proper exception type and drag and drop message box inside that and display the correct error message you want to display
6.Set finally block by adding message box or any other activity you want to perform.

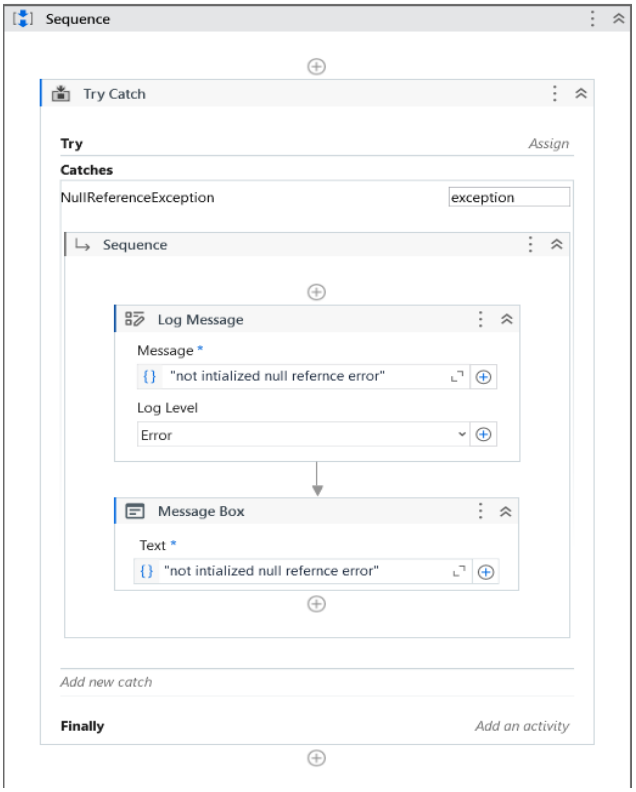
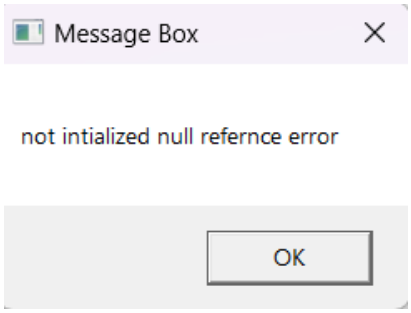
1. Array Index out of Bound

Template:	**O/P:**
	

2. IOException
Implementing an "IOException" exception in a try-catch block in UiPath involves handling situations where there are errors related to input or output operations, such as reading or writing files.



3. NullReference Exception
A NullReferenceException occurs in UiPath (or in any .NET application) when you try to use an object reference that has not been initialized (i.e., it is null). This exception indicates that you are trying to access a member (such as a method or property) of a null object reference.

Template:	**O/P:**
	

4. Invalid OperationException and Unavailabilty of UI ElementException

This exception is typically thrown when a method call is invalid for the object's current state. In the context of UiPath, it might occur if you attempt to perform an operation on a UI element that is not in a valid state for that operation.
This exception occurs when the UI element you're trying to interact with is not available, either because it doesn't exist, is not visible, or is not in the expected state.

Template:	**O/P:**