

AIM: Installation of RPA Packages

UIpath Installation steps:

Installing UIpath involve several steps. Here's a detailed guide on how to install UIpath studio

1) Download UIpath studio:-

→ Goto the UIpath website (<https://www.uipath.com/start-trial>)

→ click on start free download com edition to download uiPath studio

2) Run the Installer:

→ once the download is complete, run the installer by double clicking on the downloaded file

Eg: uipathsetup.exe

3) Select Installation type:

→ choose the installation type

→ Enterprise (for licensed users with Enterprise plan)

→ Community (for free community edition)

→ click continue or next to proceed.

4) Accept License Agreement:

→ Read and accept the license agreement.

→ click "Next" to continue

5) choose Installation folder:

→ Select the folder where you want to install UIpath

studio

→ click "Next" to proceed

6) Select components:

→ choose the components you want to install

→ UiPath studio: the main development environment

→ UiPath robot: the execution agent for running automation processes

→ UiPath Orchestrator: the web-based Management Platform (Optional)

→ click "Next" to continue

7) Select Additional Tasks (Optional):

→ choose any additional tasks you want to perform such as creating shortcuts or installing dependencies

→ click on "Install" to start the installation process

8) Installation progress:

→ wait for the installation to complete. This may take a few minutes

9) Complete Installation:

→ once the installation is finished, click "Finish" to exit the installer

10) Activate License (for Enterprise User):

→ If you're using the Enterprise edition, you'll need to activate your license.

- open UiPath studio

- click on 'Help' in the top menu

- select "Activate" license

- Enter your license key and follow the prompts to activate.

11) Launch UiPath Studio:

- Double-click on the UiPath Studio icon on your desktop or search for it in the Start Menu
- If you're using the Community Edition, you'll need to sign in with your UiPath account

12) Update Packages (Optional):

- Once UiPath Studio is launched, you can update packages by clicking on the "Manage Packages" button in the "Design" tab
- Update or install any required packages for your projects

You've successfully installed UiPath Studio. You can now start creating, testing, executing automation projects using UiPath.

~~Thank You~~

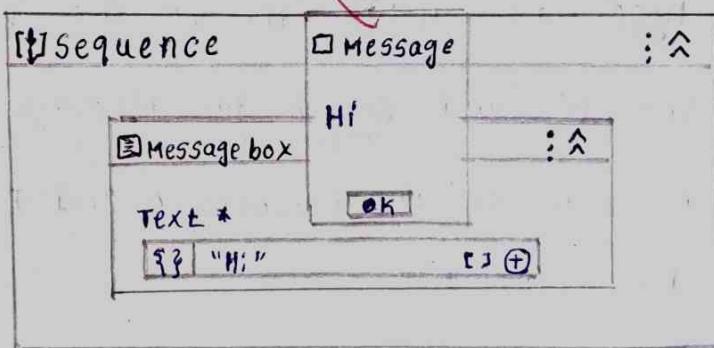
2-1-25

Week-2

Aim: perform automation for variables and datatypes

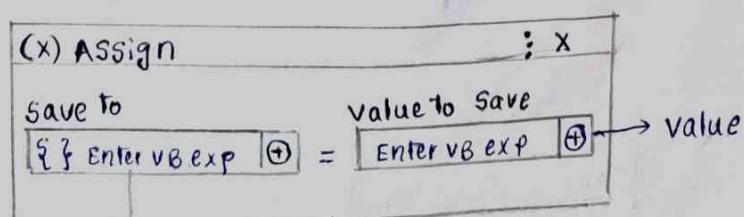
Steps:

- 1) After creating a process, select the sequence from the left panel
- 2) click on the \oplus from the sequence dialog box
- 3) Then search the Message box
- 4) Type Any string message in the message within double quotes
- 5) And then debug the file
- 6) At last it will display the message



SUM of 2 Numbers

- 1) After creating a process, select the sequence from the left panel
- 2) select the \oplus inside the dialog box of the sequence
- 3) search for Assign and double click on it



click $ctrl+K$ then we get setvar

4) Give the variable name and enter the value in the value to save box

5)

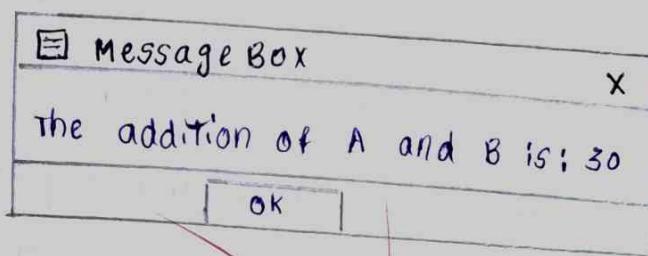
(x) Assign			:	x
Save to			value to save	
if	A	=	30	(+)

6) Repeat the same step again for the addition of two values and Give the variable name as B and value as 20

7) Repeat the same step again and give the variable name as C and the value as A+B

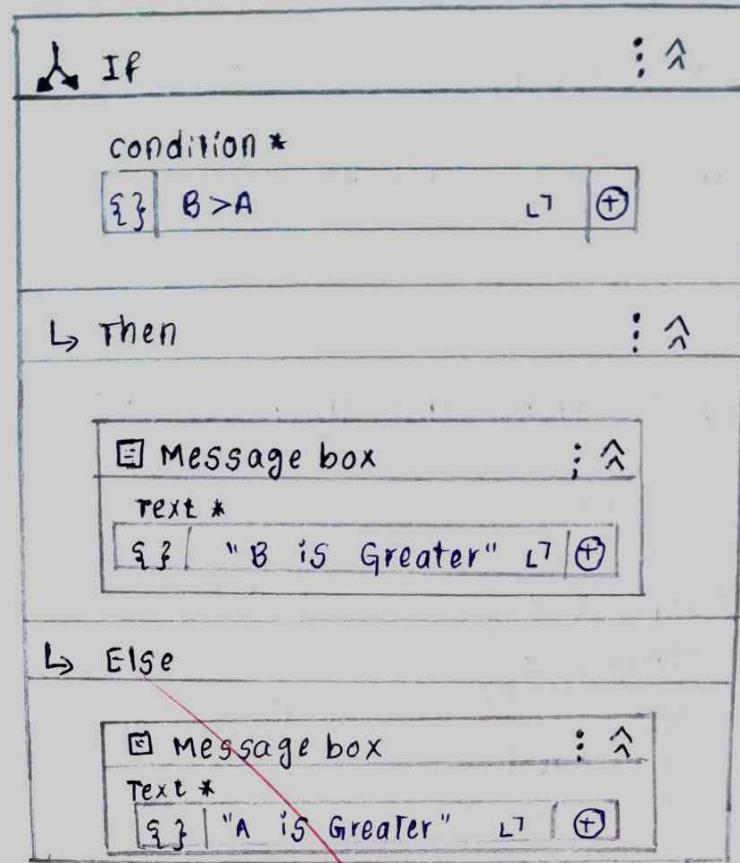
8) At the bottom select the variables and change the variable type as Int32 for all the variables

9) click on the (+) and search for Message box and type "The sum of two numbers A and B is:" + c, to string and debug the file

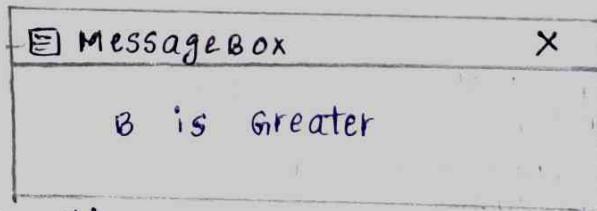


10) checking with if and else conditions

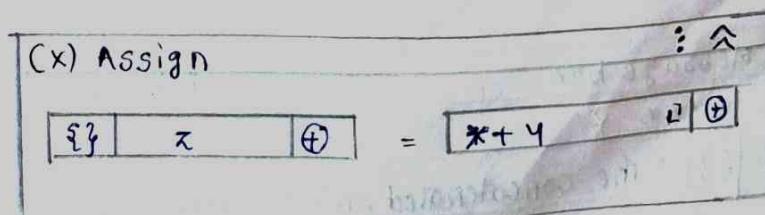
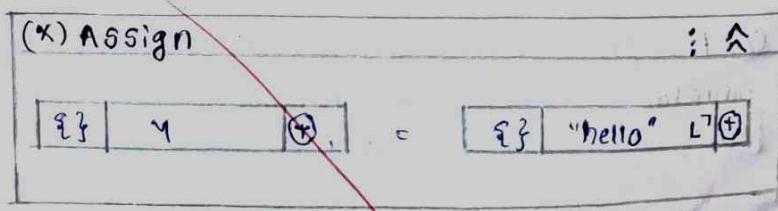
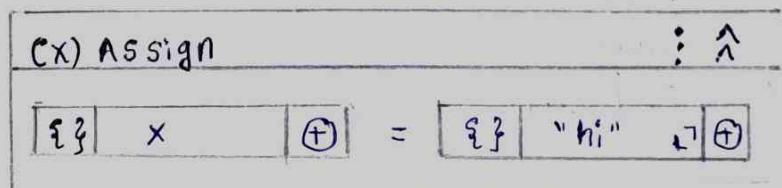
Give the condition in If block and take the message box in the Then block & else block



Output:

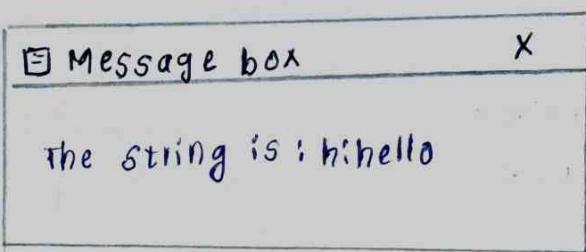


String concatenation:



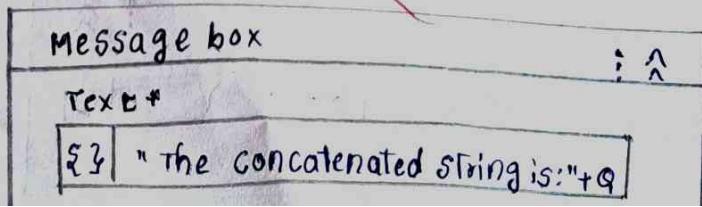
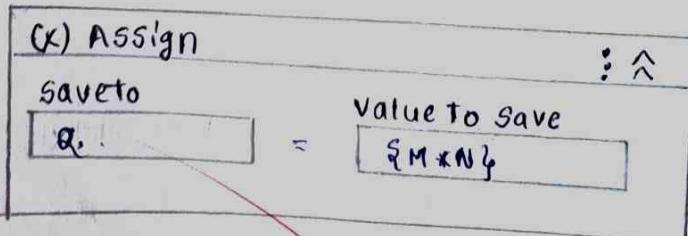
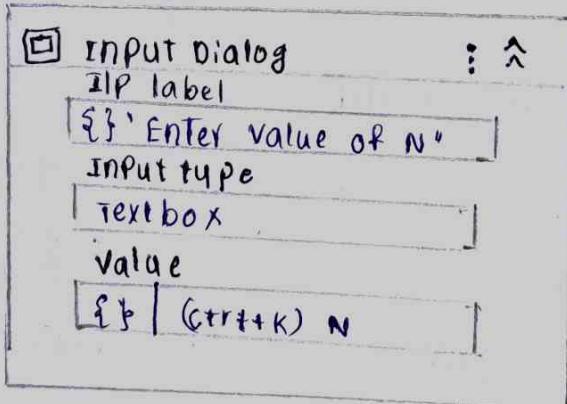
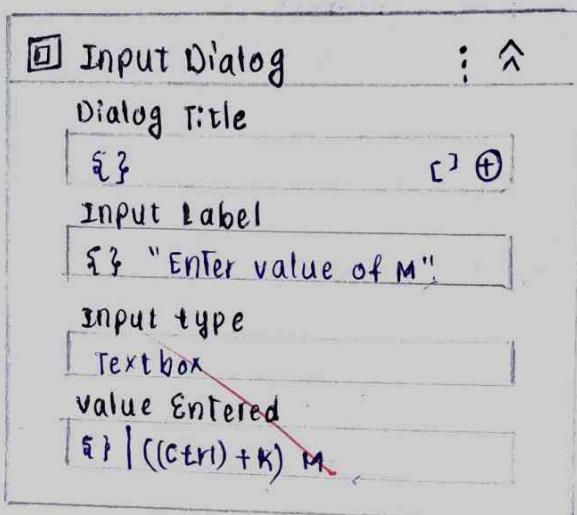
Q1: In the message box type "the string is :" + z.

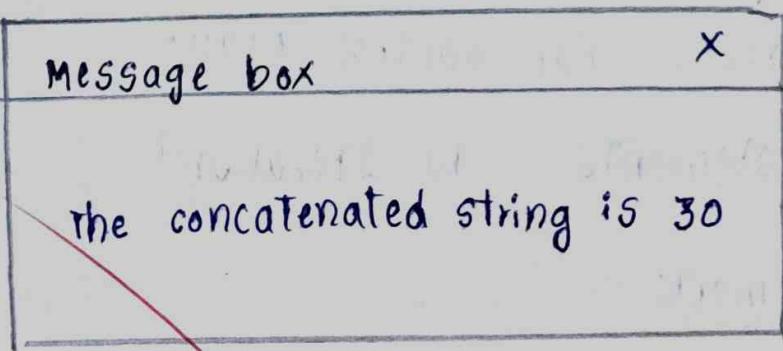
Output:



Input Dialog:

To take the input from the user we have to create the Dialog box in the sequence.





The output

5/2/25

Experiment-3

Aim: Design a process for control flow:

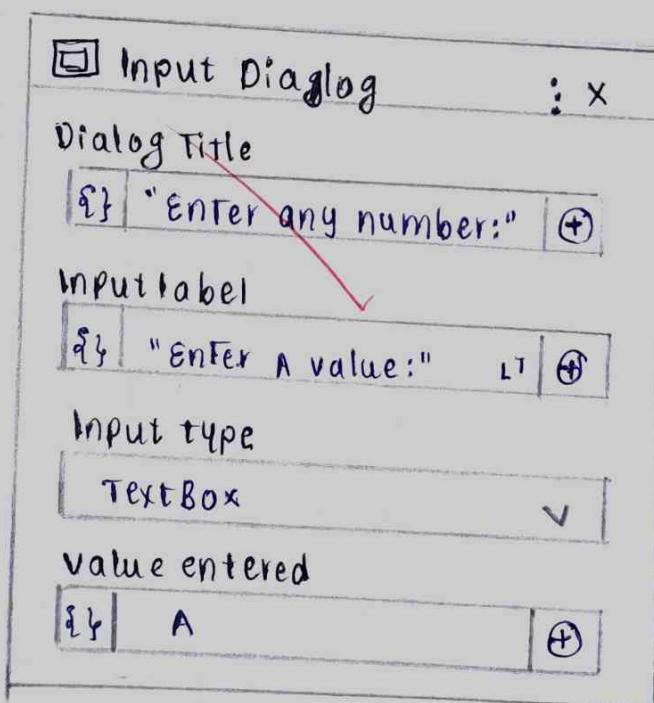
- a) conditional statements b) Iteration

a) conditional statements

If condition:

→ After creating the process in uipath, drag and drop the Sequence from the left panel

→ click on the \oplus in the sequence and search for Input Dialog.



→ click on the \oplus down to the input dialog and create the another input dialog box

olp

Input Dialog : X

Dialog Title
"Enter any number:"

Input label
"Enter B Value;"

Input type
Text Box

Value entered
B

→ Select the if from the search box and give the conditions in the the if dialog box

If : X

Condition *
A = B

↳ Then : X

Message Box
Text *
"A is equal to B"

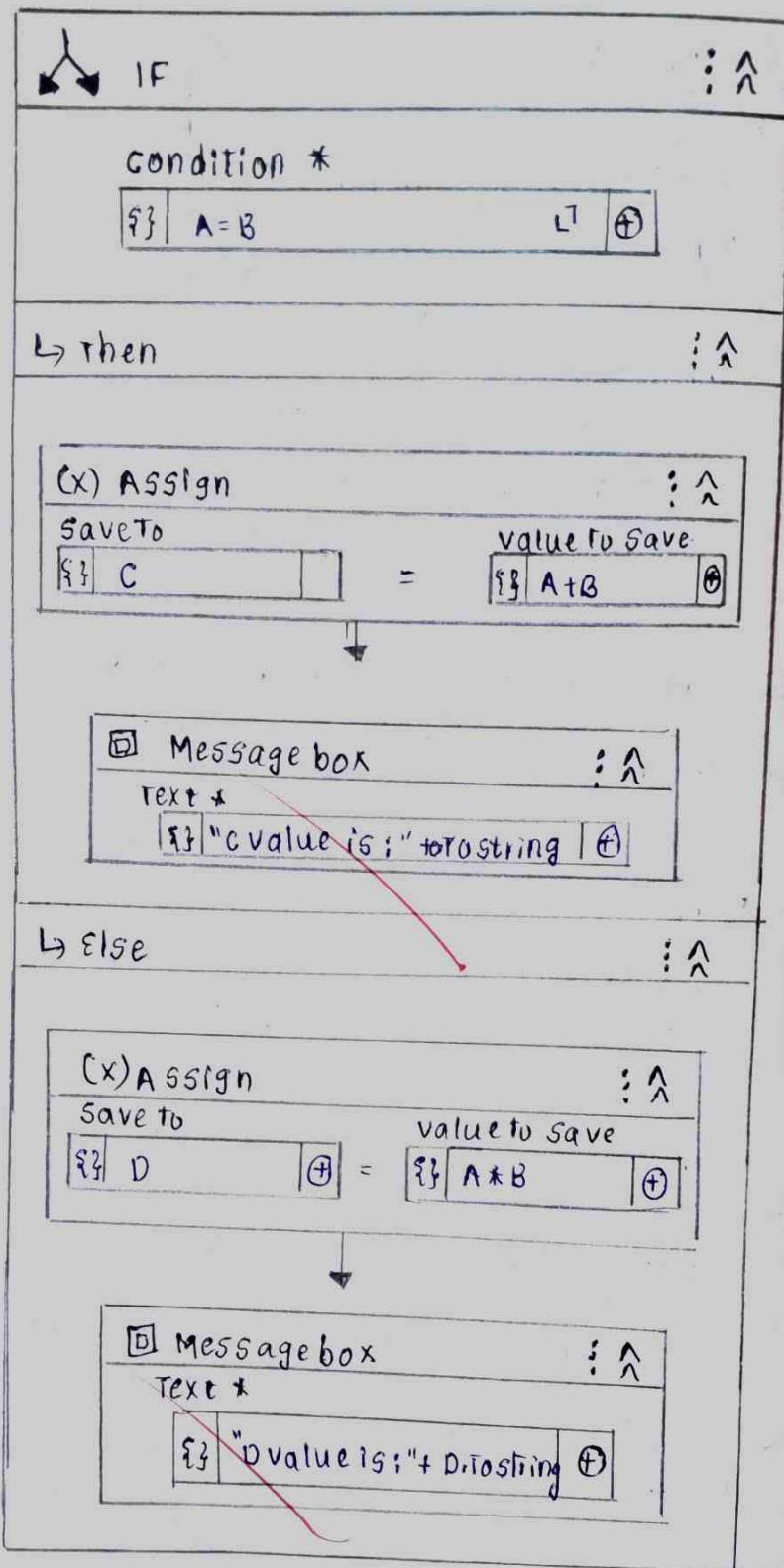
↳ Else : X

Message Box
Text *
"A is not equal to B"

O/P: → Enter A value: 10

→ Enter B value: 20

∴ A is NOT Equal To B

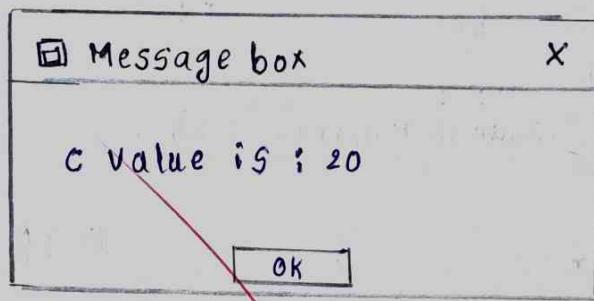
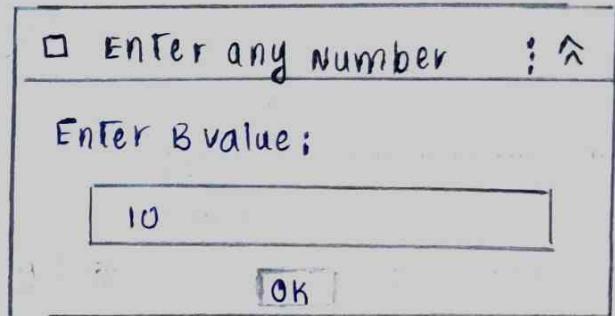


output:

Enter any number X

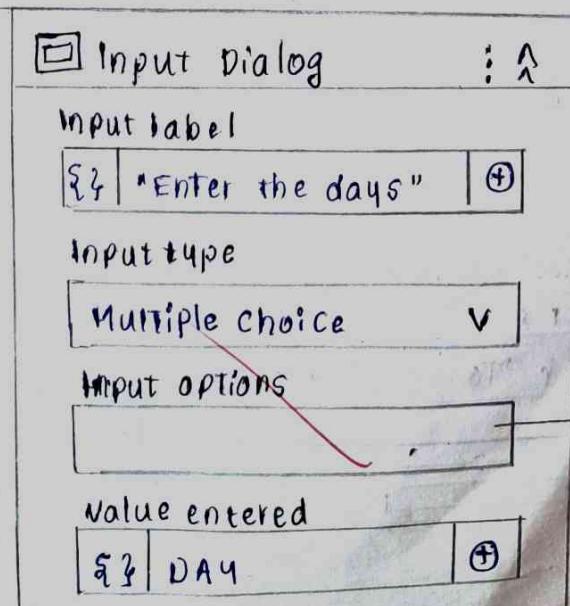
Enter A value:

Switch
 → C
 → D
 → NO
 → EN
 → CL
 → NC
 add



Switch :

- create another process with name switch
- Drag and drop sequence from the left to the Main panel
- Now add switch with sequence to the input dialog
- Enter the expression
- click \oplus symbol to add case in the switch
- Now add each case and drag and drop message box and add text in it



SWITCH

Expression *

if DAY

case Monday

↳ Body

Messagebox

Text *

if "Today is Monday" ↴ ⊕

case Tuesday

↳ Body

Message box

Text *

if "Today is Tuesday" ↴

case wednesday

↳ Body

Messagebox

Text *

if "Today is wednesday"

case thursday

↳ Thursday

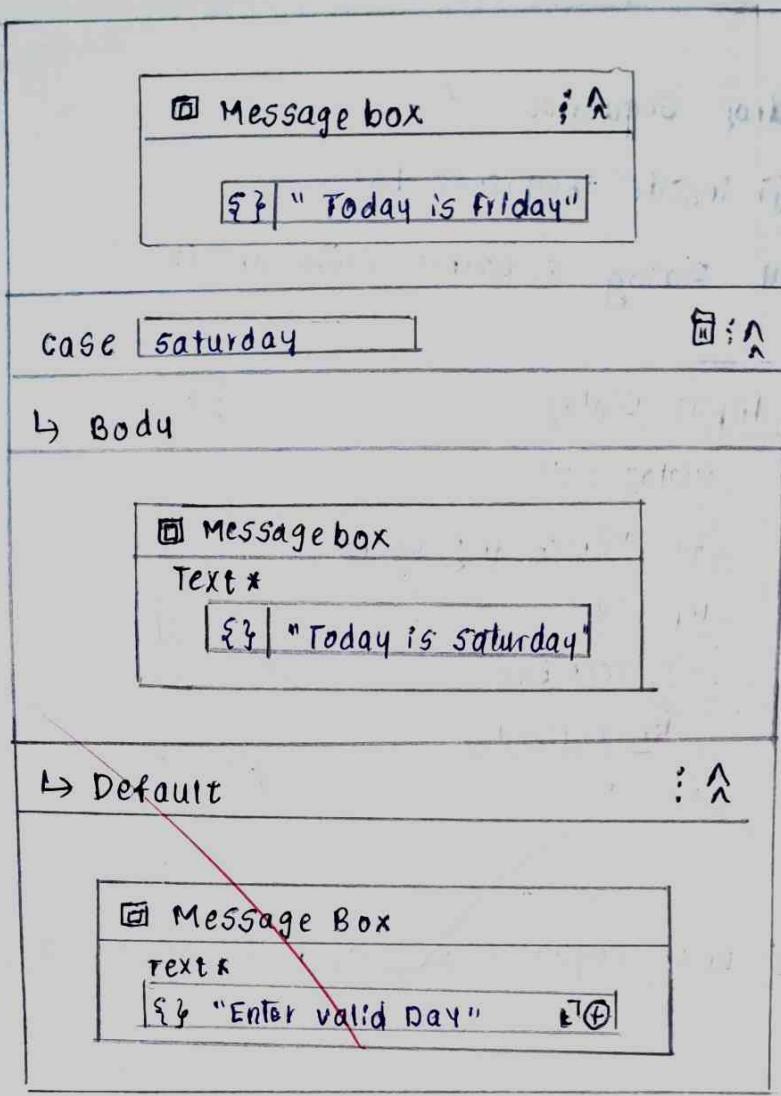
Messagebox

Text *

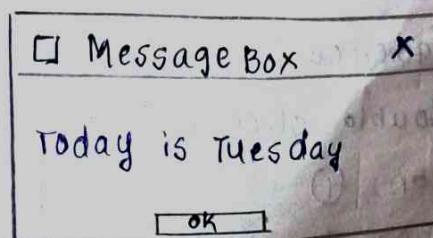
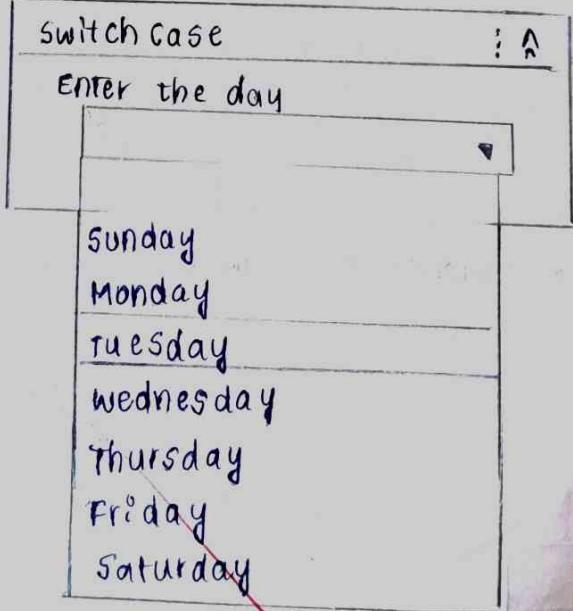
if "Today is Thursday"

case Friday

↳ Body

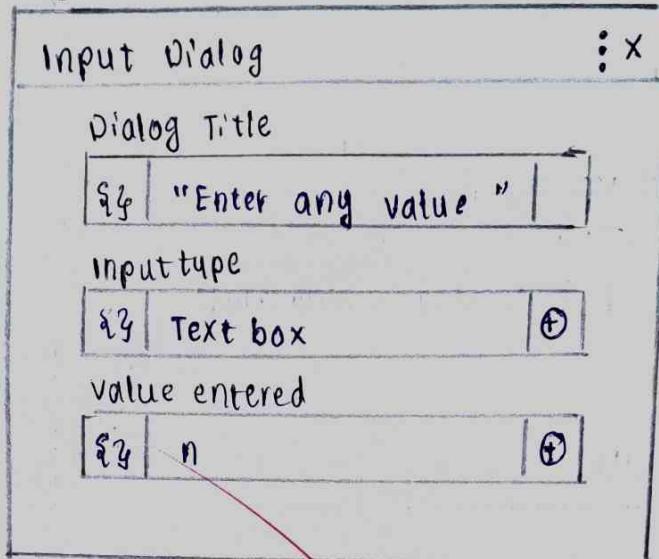


Output:

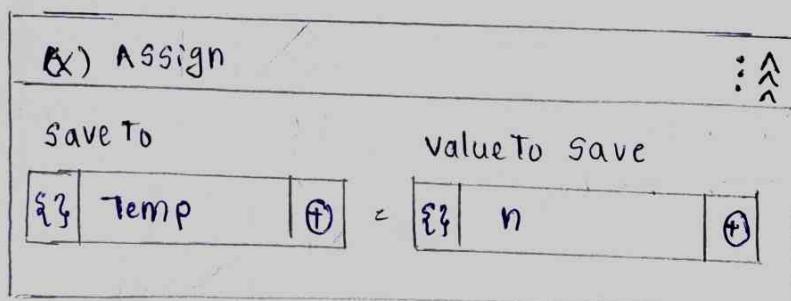


While Logic

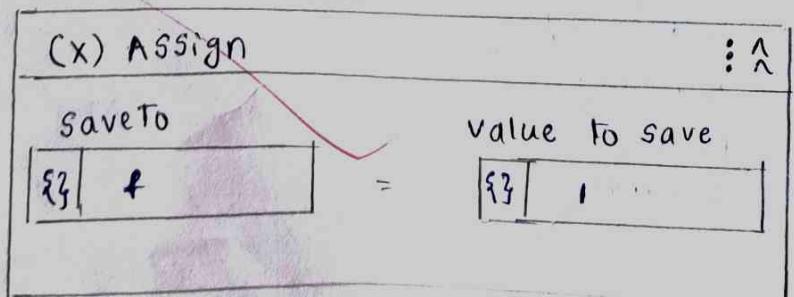
- i) drag & drop sequence
- click on \oplus inside sequence box
- search input dialog & double click on it



- click on \oplus with sequence box and search for assign & double click on it



- click on \oplus within sequence box and search for assign and double click on it



- click on \oplus within sequence box
- search for while & double click on it
- outside while click on \oplus
- search for msg box to display the value

while

condition *

{ } n > 0 ()

↳ Body

(x) Assign

Save To Value to Save
{ } f () = { } f * n ()

(x) Assign

Save To Value to Save
{ } n () = { } n - 1 ()

Message Box

Text *

{ }

Output:

Enter any value

Enter the value of n

5

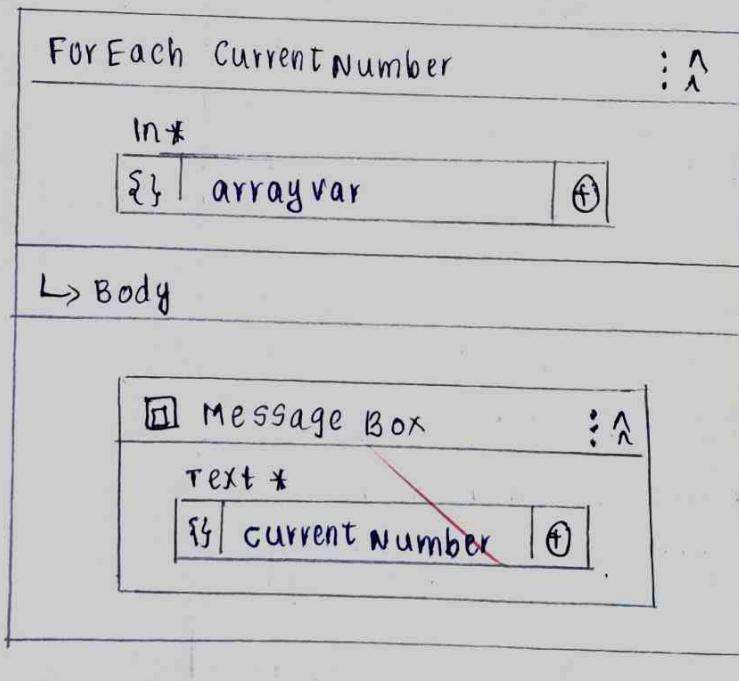
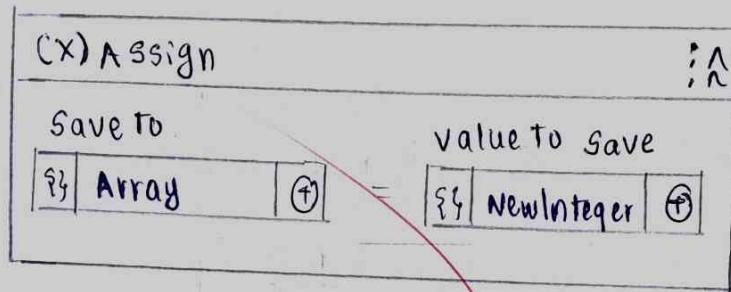
OK

The Factorial of 5 is 120

OK

For each:

- It is used to check each & every no in the list. Create another process with name
- Drag & drop sequence from the panel
- search for assign loop & double click on it
- Give name "array" to save to the section
- search for "for each" & double click on it, Give array name in it
- Give currentNumber in the message box



Am Syed

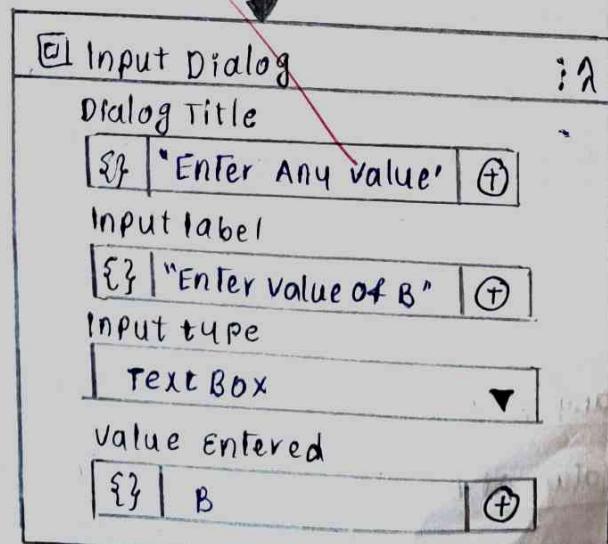
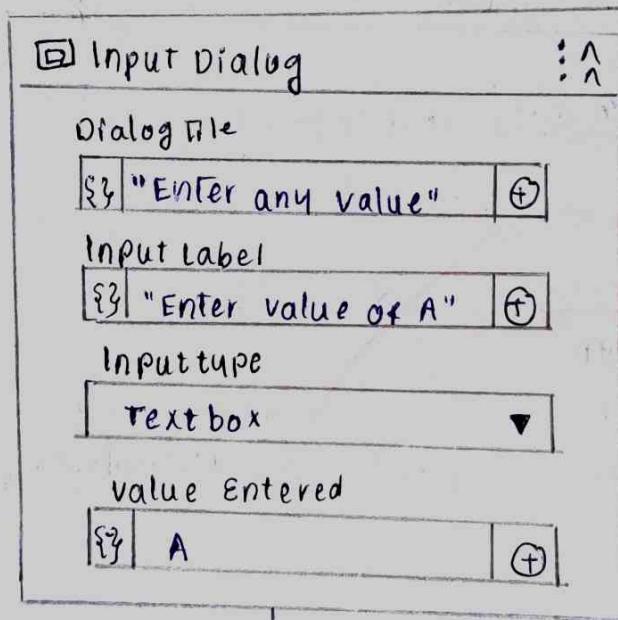
12/2/25

Experiment - 4

AIM: Create a process for data manipulation - scalar variables, collections, tables and text Manipulation

Scalar variables

- Drag & Drop sequence from the left panel
- Drag SLP dialog in the sequence and Assign the values exp to the variables
- Finally drag and drop message box to print o/p.



(x) Assign

Save To	=	Value to save
<code>{3 A</code>	=	<code>{3 A*A+B*B+2*A*B</code>

(x) Assign

Save to	=	Value to save
<code>{3 B</code>	=	<code>{3 A*A+B*B-2*A*B</code>

Message Box

Text *
<code>{3 "A value is:" + A.ToString() + "B value:" + B.ToString()</code>

(x) Assign

Save to	=	Value to save
<code>{3 Name</code>	=	<code>{3 "XYZ".ToLower</code>

Message Box

Text *
<code>{3 "The lowercase Name:" + Name</code>

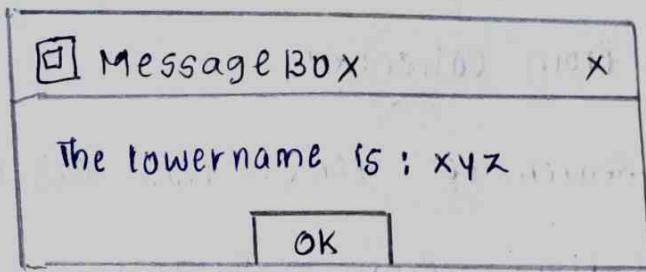
Output:

Enter any value

Enter value of A
<code>3</code>
OK

Enter any value

Enter value of B
<code>2</code>
OK



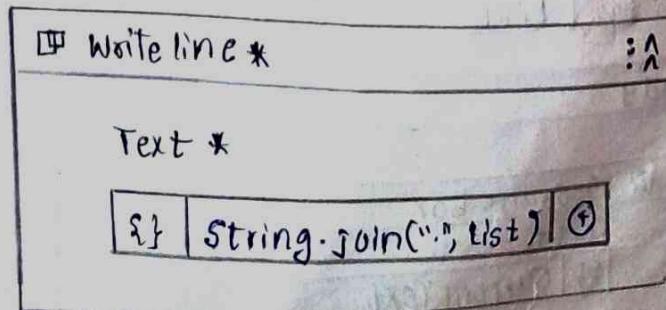
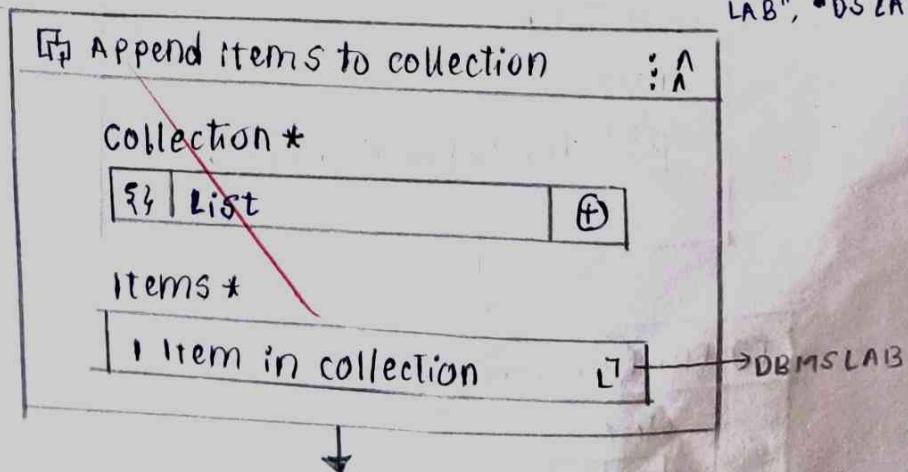
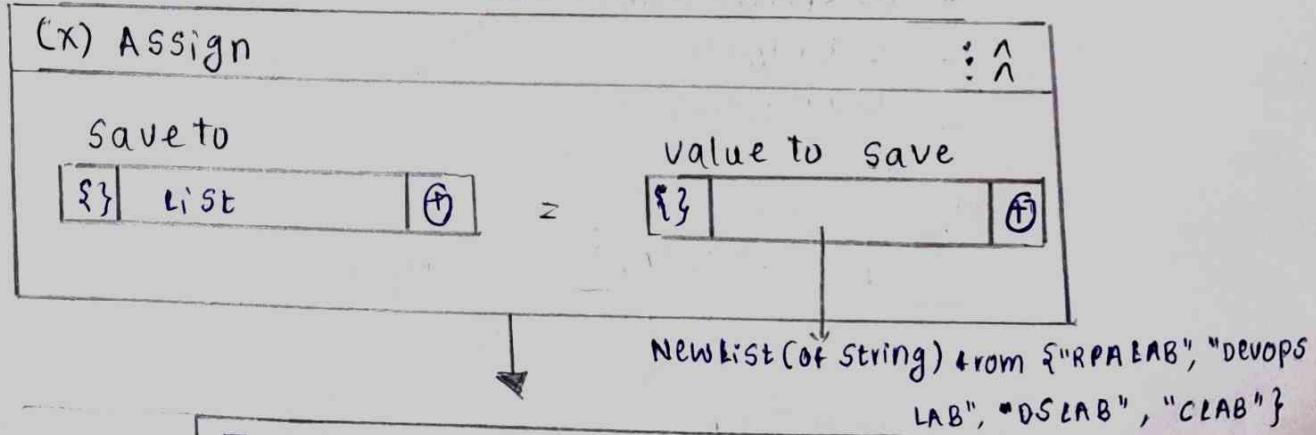
lists:

create new sequence named as list

drag and drop assign in the sequence & create a list

append:

To change the datatype variables → variablestype → system::collection generic::list → <string> → save
 → click on \oplus & search Append items To collection



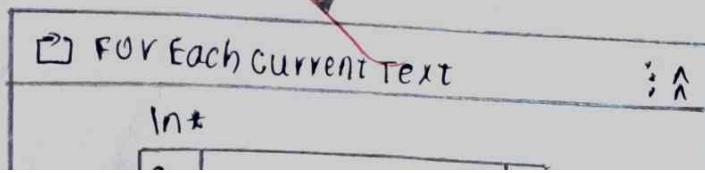
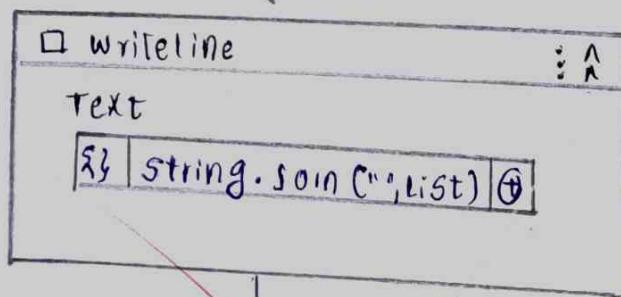
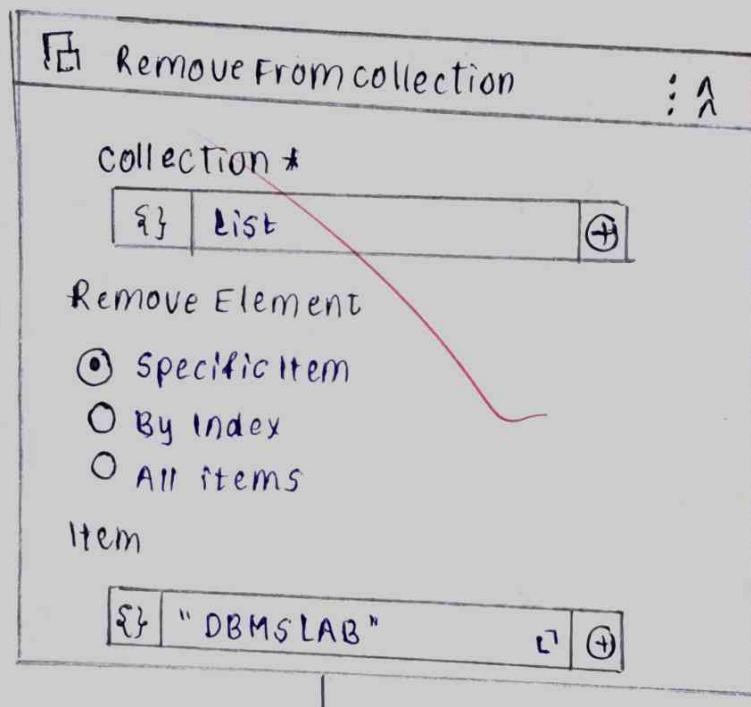
Output:

→ When we Debug the file, in The olp section we will get the olp like

⇒ RPA Lab Devops lab Clab DBMS Lab.

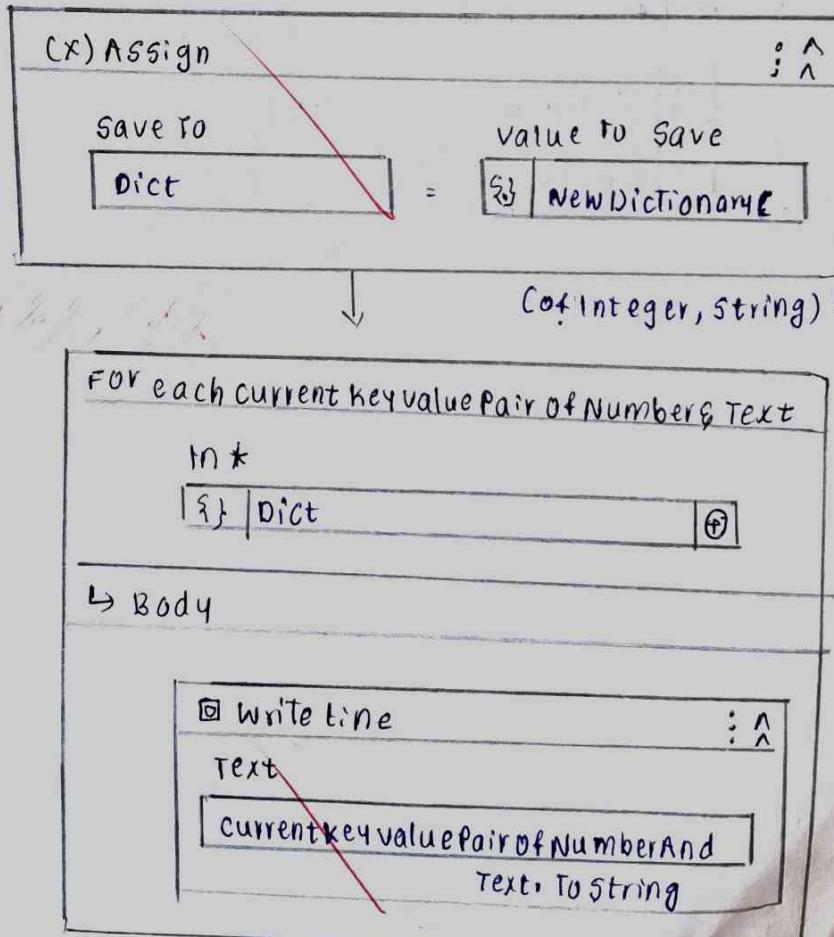
Collections - Remove from collection

- Click on and search for "remove from collection" & remove specific item or all items from collection
- To display output take writeline | foreach



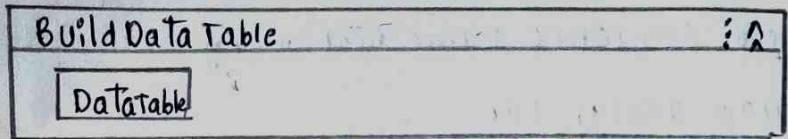
Dictionaries

- create a new sequence name Dictionary
- Drag and Drop assign tab
- create a variable to assign dictionary values
- To change the datatype goto variables → variables types →
Browse for types → Type Name → system.collections.genericDictionary<TKey><TValue> → Int, String > save
- To display the dictionary items click on \oplus for each and search for write and under Text type "currentKeyValuePairofNumberAndText.ToString"

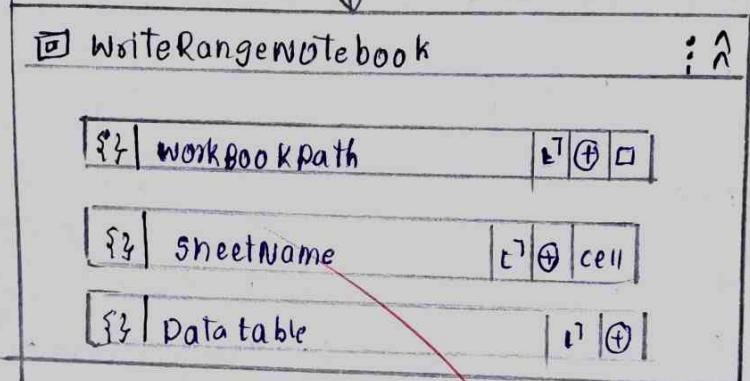


Output:
[1, ABC]
[2, XYZ]
[3, PQR]

Tables



Student ID (int32)	Student Name (String)	Student Mark (int32)
1	A	27
2	B	43
3	C	23



12/2/15

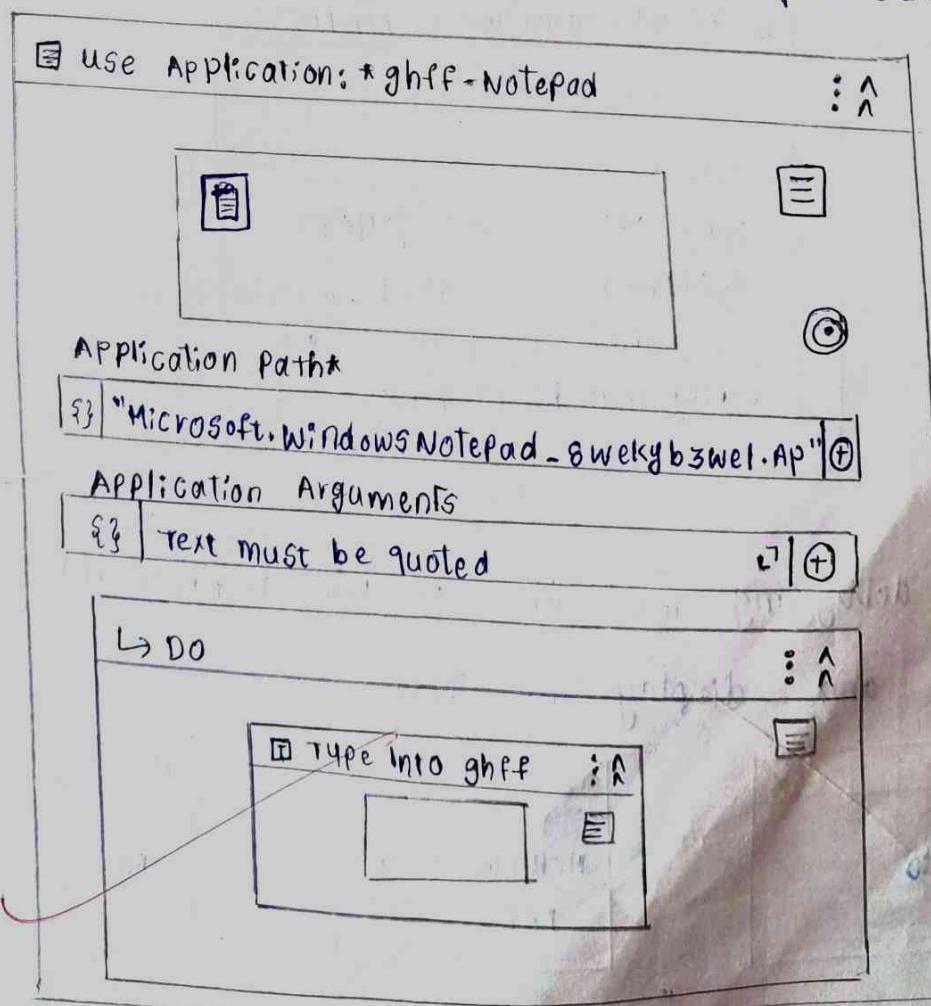
19/12/25

Experiment-5

AIM: Design a process for recording - basic, desktop and web.

Basic recording

- open any application like Notepad | msword
- search for use application | Browser in the Activities search bar on the left panel.
- click select application on the Notepad
- Type any text and save it [✓] on the bottom
- After performing the operation stop recording and save the file and debug it in the uipath studio
- When we debug the file it will redirect to Notepad and perform the operations that we have done previously



↳ DO

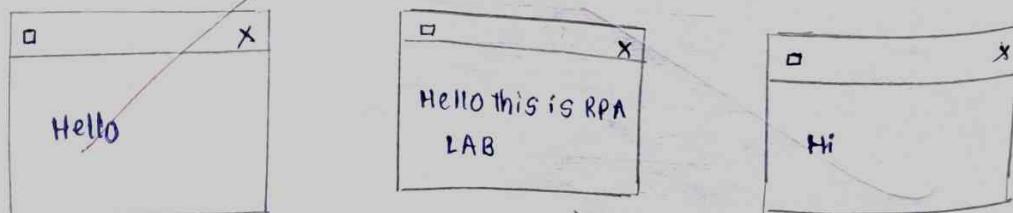
Type this	Secure	standard
↳ "hello"	L	⊕ ▾
Empty field before typing click before typing		
Single line	Single	▼
Verify that "hello" is typed		

Type into "hi"	: A
<input type="text"/>	☰
Type this	⊕
↳ "Hello This is RPA LAB"	L ⊕ ▾
Empty field before typing click before typing	
Single line	Single
Verify "Hello This is RPA LAB is typed"	

Type into "Hello This is RPA LAB"	
<input type="text"/>	
Type this	
↳ "hi"	L ⊕ ▾
Empty field click before typing	
Single line	Single
Verify that hi is typed	

o/p:

→ After debugging the file it will redirect into the note pad and display the text



Experiment - 6

AIM: Design a process for scraping data using screen scraping and data scraping

- open uipath studio and create a new process
- search for wikipedia in chrome
- search for use Application Browser in uipath
- click on indicate Application, it will redirect to chrome and select that wikipedia Browser
- In DO column search for TypeInto → indicate in use AppBrowser and select the search button
- In type this column write anything within double quotes
- Search for click and select the empty space before to the search button in the browser
- Go to chrome and type the text in the search bar that you gave previously
- search for getText and go to chrome select the text and select strict selector, remove fuzzy selector
- save as ext-txt (anyname) in the Saveto button
- Search for write Text file and in Text bar give the name previously with name we save previously (ext-txt)
- save the file with .doc extension

[+] Sequence

W Browser

Browser URL

"https://en.wikipedia.org/w/index.php?title=Special%3ASearch&go=go"

↳ DO

Type into Search

Type this

Secure Standard

Robotics Process Automation

Empty field before typing

Single line [End, Shift]

Click before typing

single v

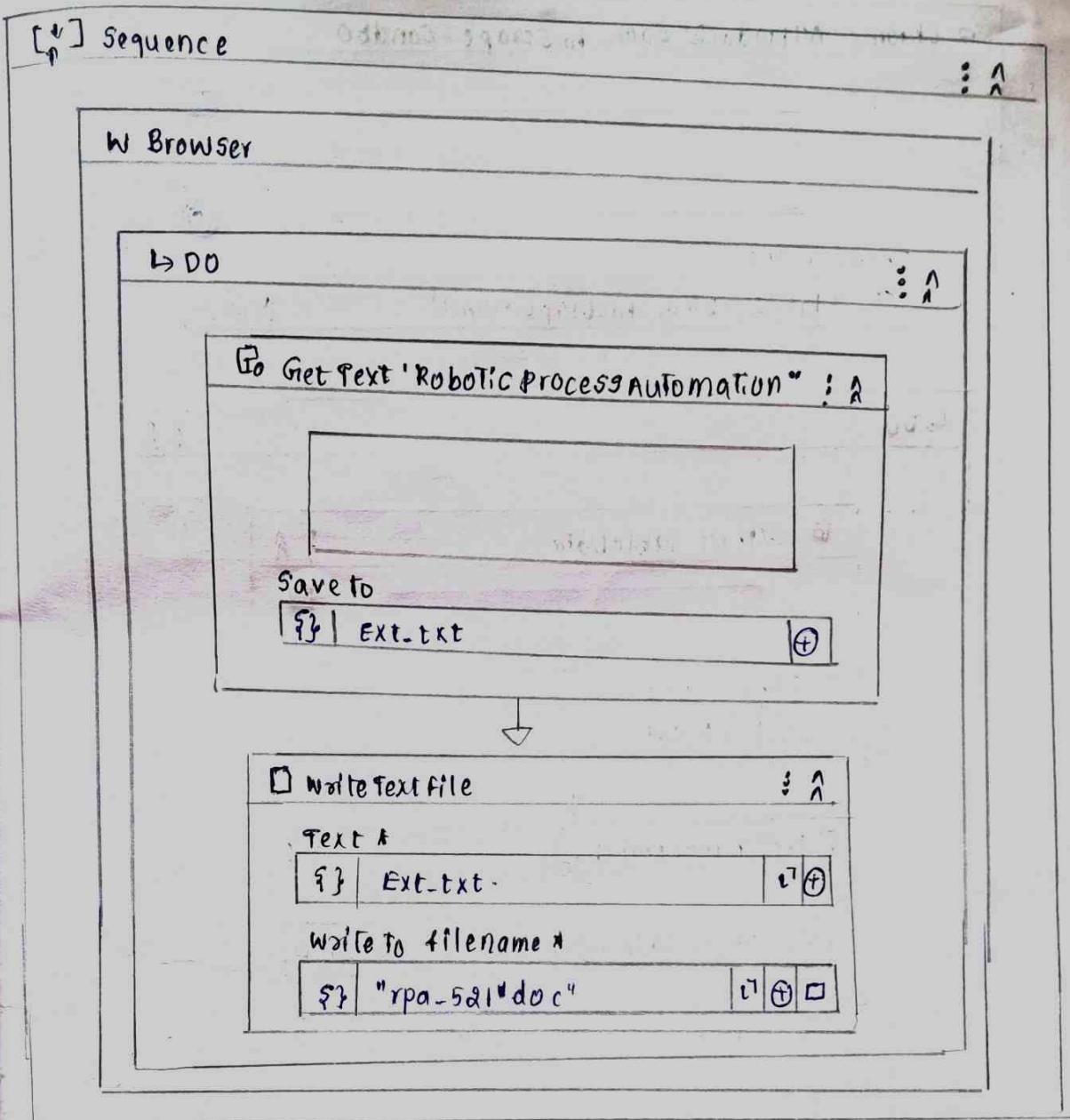
click 'INPUT search input'

click type

single v

MouseButton

left v



Op: The selected Text is displayed in the document

Data scraping:

- create new process and search for use App! Browser
- In chrome search for books.tostrape.com
- Select Indicate Application and select the page in the browser
- In DO search for extract Table Data and select the Bookname, price, Stock
- enter the name in the Extract To
- search for Write Range notebook and save the file with .xls extension

o chrome All products Books to Scrape - Sandbo

9/4/25

Browser URL

{ "https://books.toscrape.com/" }

↳ DO

Extract TableData

Extract-data

{ ext-data }

WolterRangeNotebook

{ "datascraping.xls" }

{ "Sheet1" }

"B2"

{ ext-data }

{ ext-data }

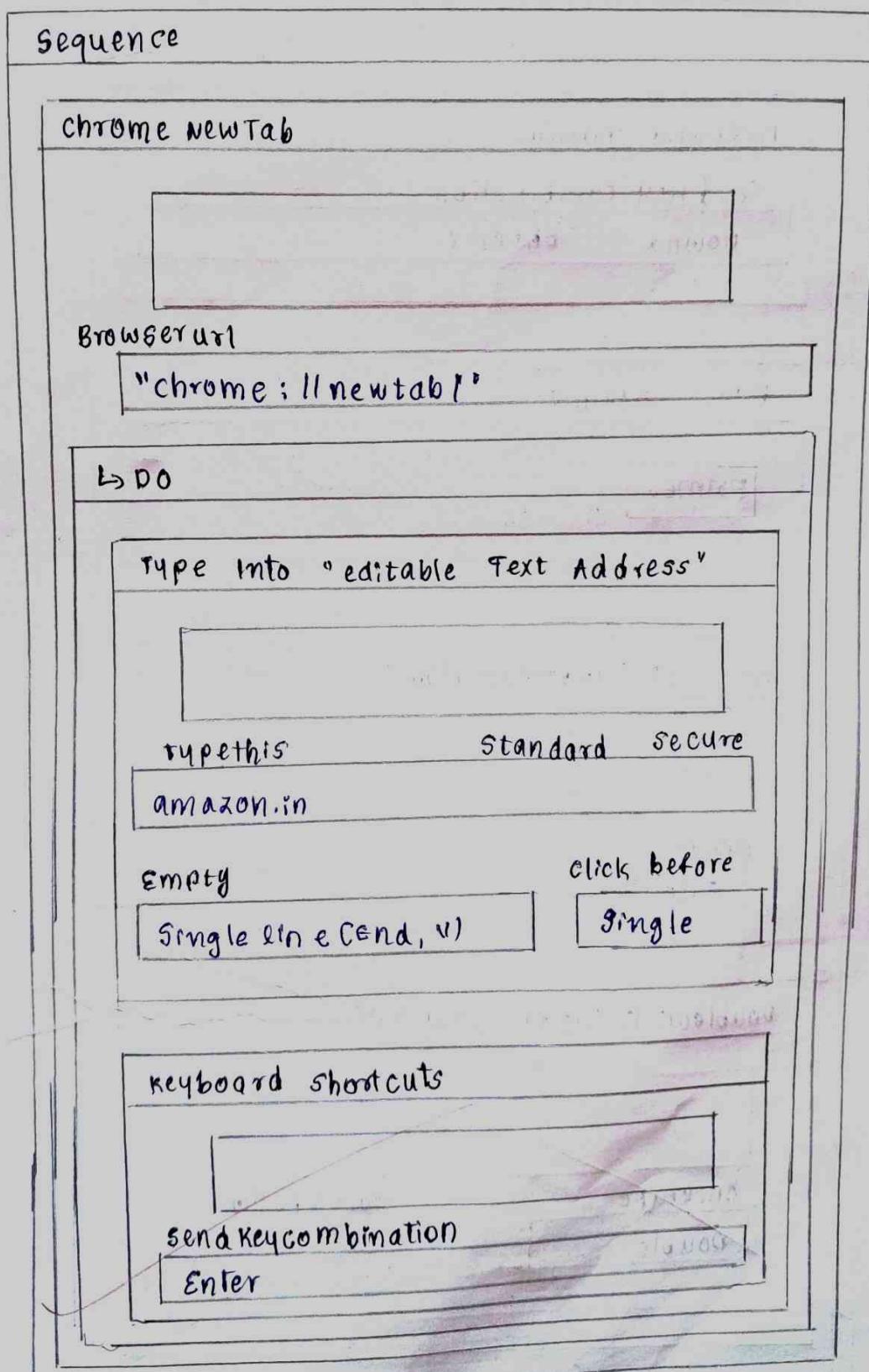
O/P: The data is displayed in xls file

Openning

Experiment-7

AIM: perform automation for customizing selector

- open nippah studio & create a process
- Add a sequence & click on use APPI Browser
- click on APPI web recorder



TYPE INFO "INPUT TWOTAB SEARCH"

--	--

Type this

"mobile 6"

empty field before typing
singleclick (end)

click before typing

single

Keyboard shortcut

Send key combination

down x Enter x

Hover "postme"

postmev

Get Text "updatelocation"

--	--

Save to

Output

Doubleclick "updatelocation"

--	--

clicktype

Double

Mousebutton

left

TYPEINFO "All"

Type this

"perfumes"

Empty field before typing click before typing

SingleLineCend,shift++

Single

Keyboard shortcuts

Send key combination

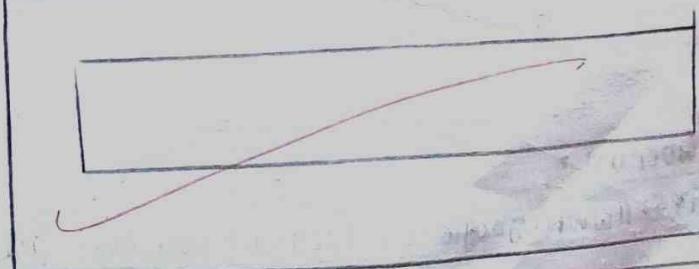
"Enter"

Take Screenshot

filename

"screenshot.png"

Highlight "Showing products with f":



19/3

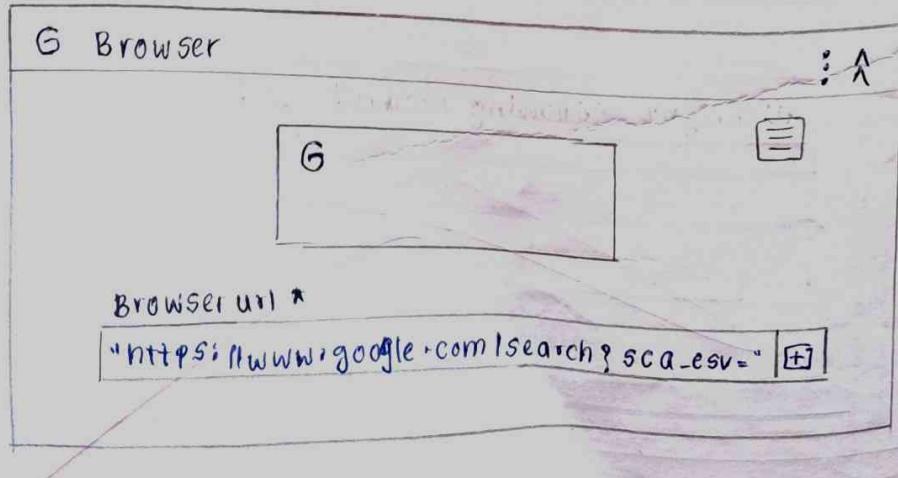
Experiment-8

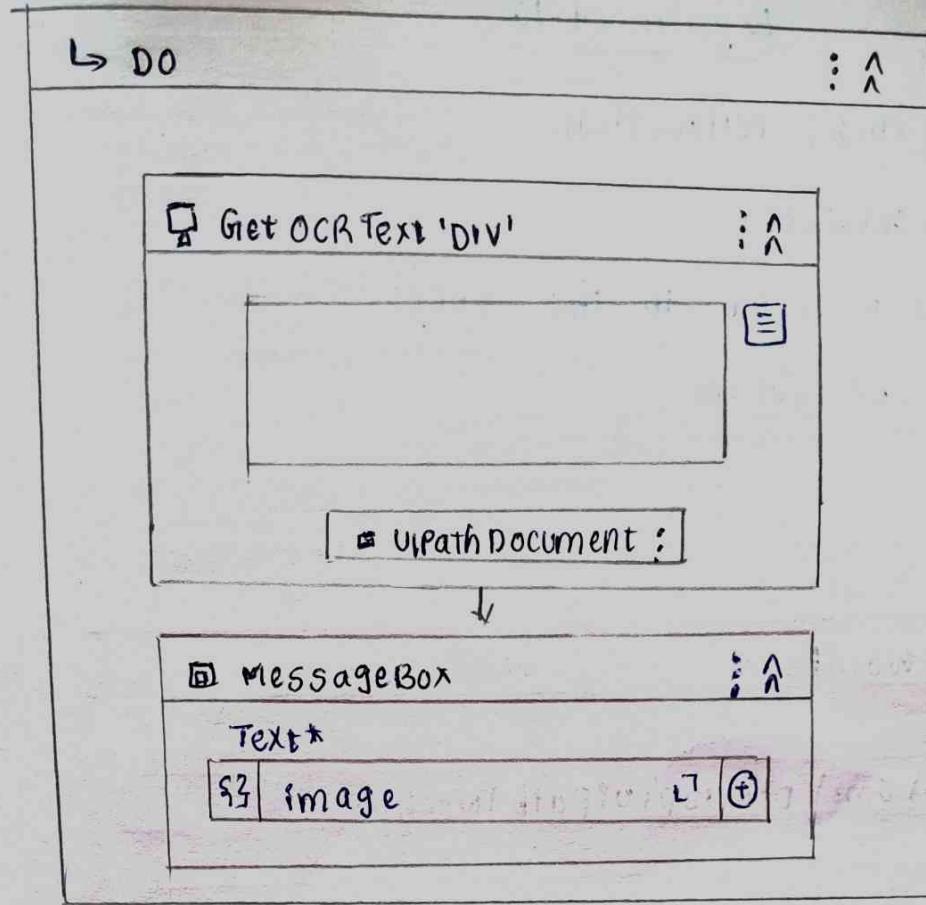
Aim: create a process for image and text automation

Steps

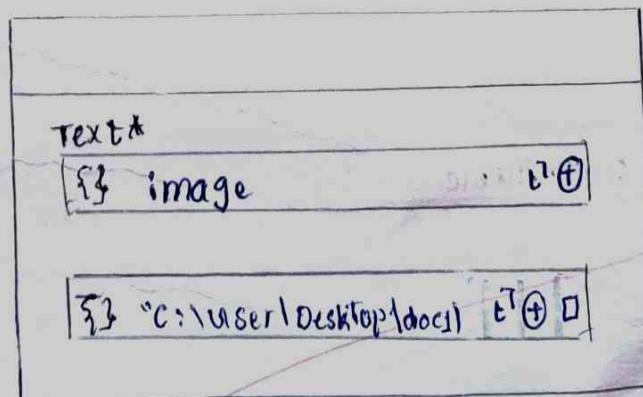
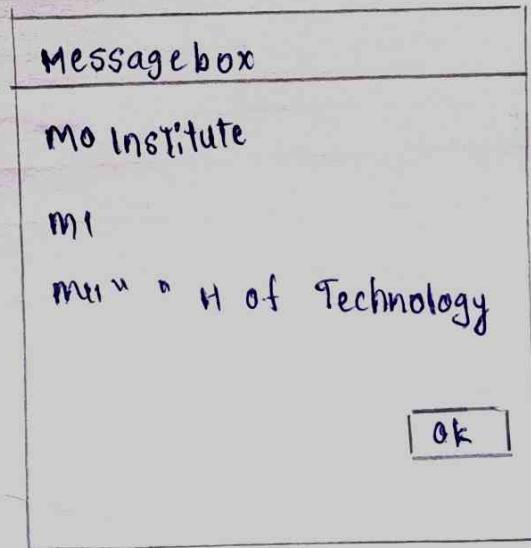
- open google and search for "cloud.uipath.com"
- login with your credentials
- click "..." → admin → licenses → start pro trial → consumable
 - ↳ copy API key
- open uipath studio → sequence
- In sequence search for use application | browser → indicate application to automate → select the screen from the chrome
- In DO click on '+' and search for 'get OCR' → indicate element and select the Images
- Select on uipath document OCR and click on properties and [Search] paste the API key in the API key column
- Select on get OCR Text page and set variable \$image
- create one msg box in the DO and enter the variable that we have created previously

olp:





Output:



9/4/25

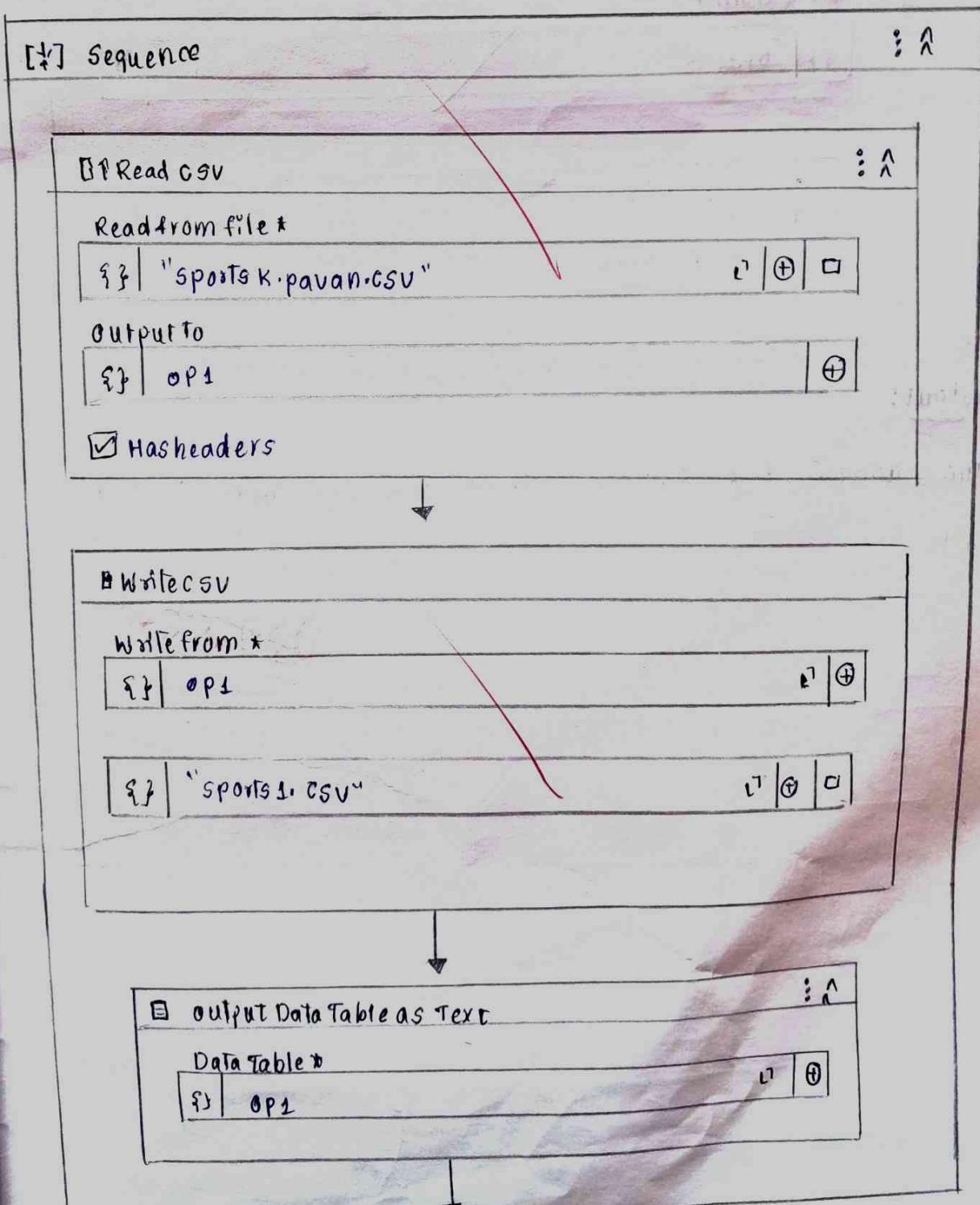
Experiment - 9

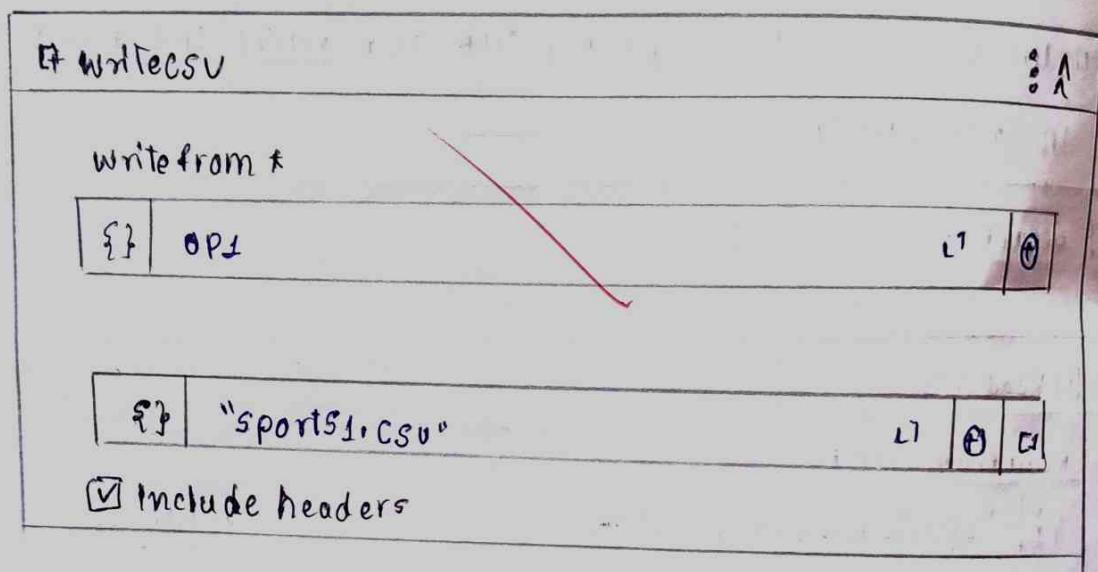
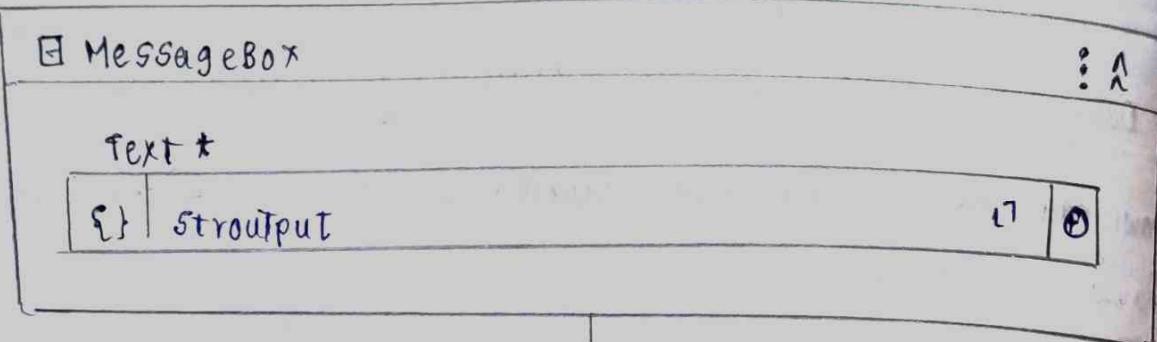
AIM: Design a process for Automating Data tables in Excel

→ Download the csv file from emitlive → Download link (sports K.pavan.csv" file)

→ create a sequence in the uipath

→ open the folder in the uipath, cut and paste the downloaded file in our folder





Output:

The downloaded file is copied into the new created csv file

Downloaded

19/3

Experiment-10

Aim: Perform email Automation

- Create new excel sheet
- Add Names & Mail Id in the sheet
- Save it in the folder

[+] Sequence

Read Range Workbook

"C:\Users\cmx1\Desktop\UPath\Week10"

"Sheet1"

OutputDataTable as Text

DataTable

MailData

Messagebox

Text

Mail

For Each Row in a DataTable

DataTable:

mailData

ItemName

Current Row

↳ Body

↳ Body

Get RowItem

Row

CurrentRow

column * Number Name

0

value

Username

GetRowItem

Row

CurrentRow

column Number Name

"Email ID"

value

mid

Assign

SaveTo

mailidvalue

Value To Save

newString() + mid +

Assign

Saveto

mailbody

value to Save

"Hello" + username + --

Send Email

Gmail

save as draft True False
To

mail id value

subject

"Hello"

Body

mailbody

Attachments

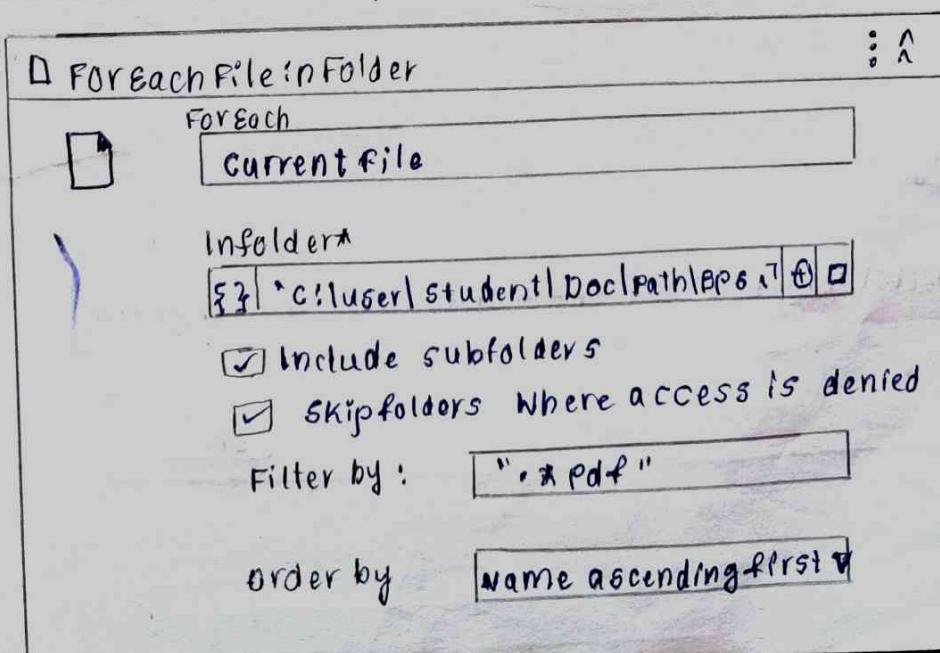
cat

16/4/25

Experiment - II

AIM: Design a process to read all PDF files from a folder and then close them all

- create a sequence
- search the pdf files copy them in the newfolder in our created process
- In the sequence search for ForEach File in Folder, InFolder give the path of the folder which we created and check the two boxes, In FilterBy column give ".pdf" which selects all pdf files
- In the Do , add activity as message box and give the text as currentfile.FullName
- Add activity Extract PDF Text and give as Local Resource, From Path(currentfile.FullName)
- Add MessageBox and give the Text as extpdf
- Add WriteText file and give the Text as extpdf and give the name "extpdf.doc" in writeTo file name



↳ 00

⋮ ↗

16/1

AIR

ex

✉ Message Box

Text *

\$(currentfile.FullName)

⋮ ↗

[] []

□ Extract PDF Text

PDF file *

\$(LocalResources.FromPath
(Currentfile.FileName))

⋮ ↗

[] []

✉ Message Box

Text *

\$(extpdf)

⋮ ↗

[] []

□ Write Textfile

Text *

\$(extpdf)

⋮ ↗

[] []

Writefilename *

\$("extpdf.doc")

[] [] []

Message box

C:\users\student\Documents\pdfautomation\RPA.pdf

OK

16/4/25

Experiment - 12

AIM: Create an automation to change the background of excel cell/range in Vipath

use Excel file

Excel file

"mail_email.xlsx"

Reference as

Excel

savechanges create if not exist

Read formatting

Same as project □

↳ DO

setRangeColor

color*

System.Drawing.Color.DarkOrange

Range*

"A1:A2"

sheet Name*

"Sheet1"

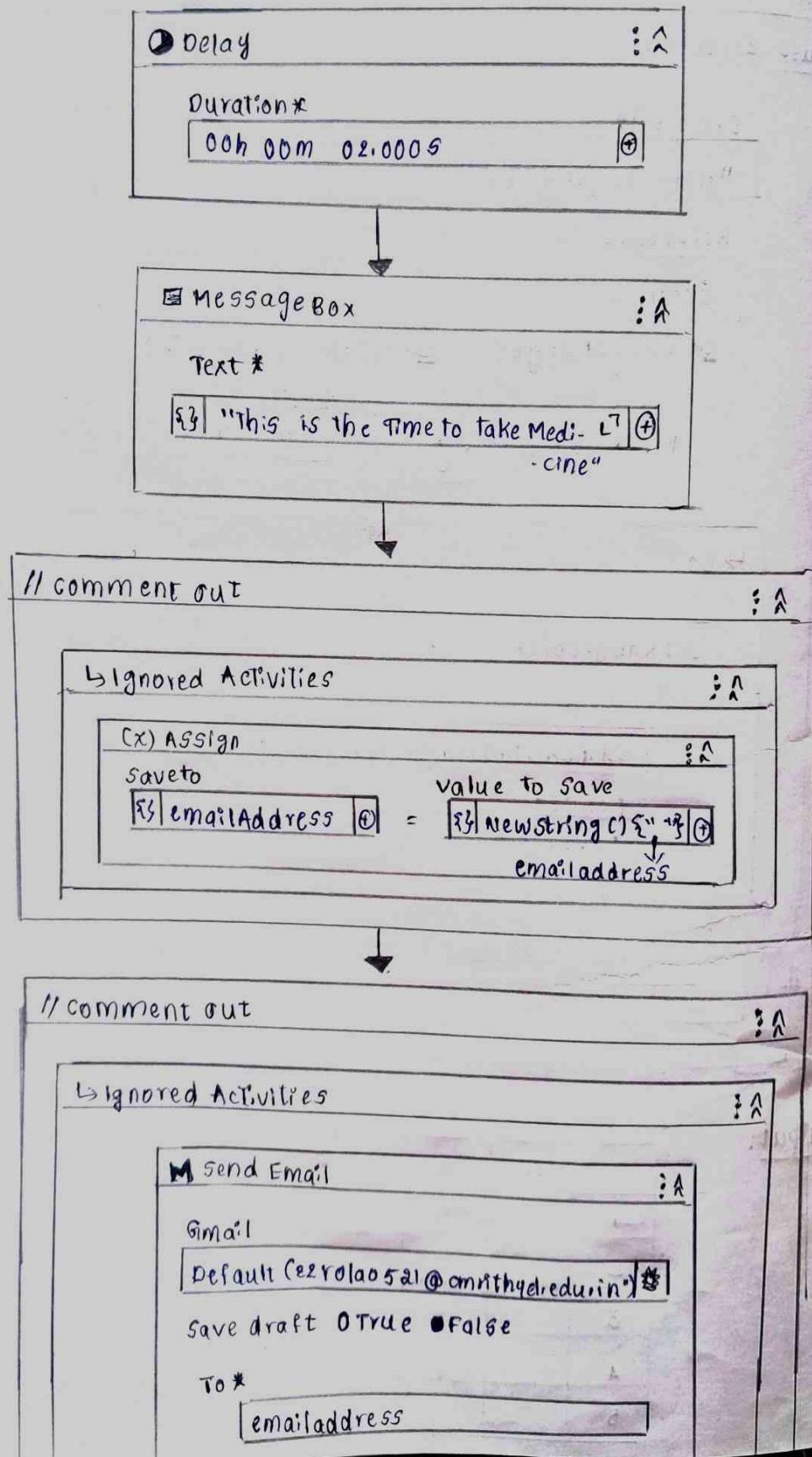
Output:

	A	B	C
1			
2			
3			
4			
5			

23/4/25

Experiment-14

AIM: create a process which reminds a user that take his medicine after every 4 hrs



Subject

"Notification for taking medicine"

Body

B I U S E E D </>

this is to inform you to take the
medicine

Attachments(s)

[] [] [] []

o/p:

Message box

This is the time to take Medicine

OK