

6-1-25

Week-1

AIM: Installation of RPA Packages

UiPath Installation steps:

Installing UiPath involves several steps. Here's a detailed guide on how to install UiPath Studio.

1) Download UiPath Studio:

→ Go to 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"

6) Select con

→ choose

→ Uipa

→ uipa

→ uipa

→ click "NE

7) Select Ad

→ choose a

such as cr

→ click on

8) Installation

→ Wait for

a few min

9) complete

→ once th

exit the

10) Activate

→ If you'

activate yo

• ope

• clia

• sel

• EV

to

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

22-1-25

Aim: perform automation
steps:

1) Launch uipath studio:

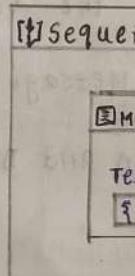
- Double-click on the uipath studio icon on your desktop or search for it in the start Menu
- If you're using the community Edition, you'll need to sign in with your uipath account

2) 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

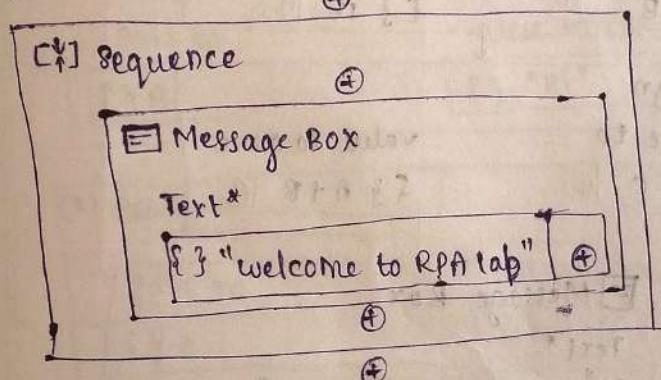
~~Don't do it~~



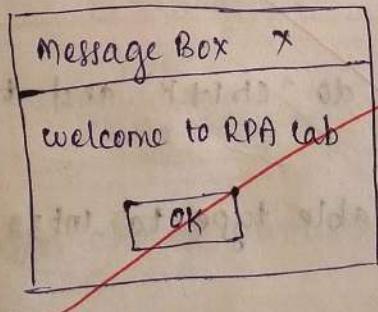
Week-2

Aim: Perform automation for variables and data types.

- Open Uipath studio, select process create folder name as 'week8'
- In activities select sequence, in sequence select message box and type message

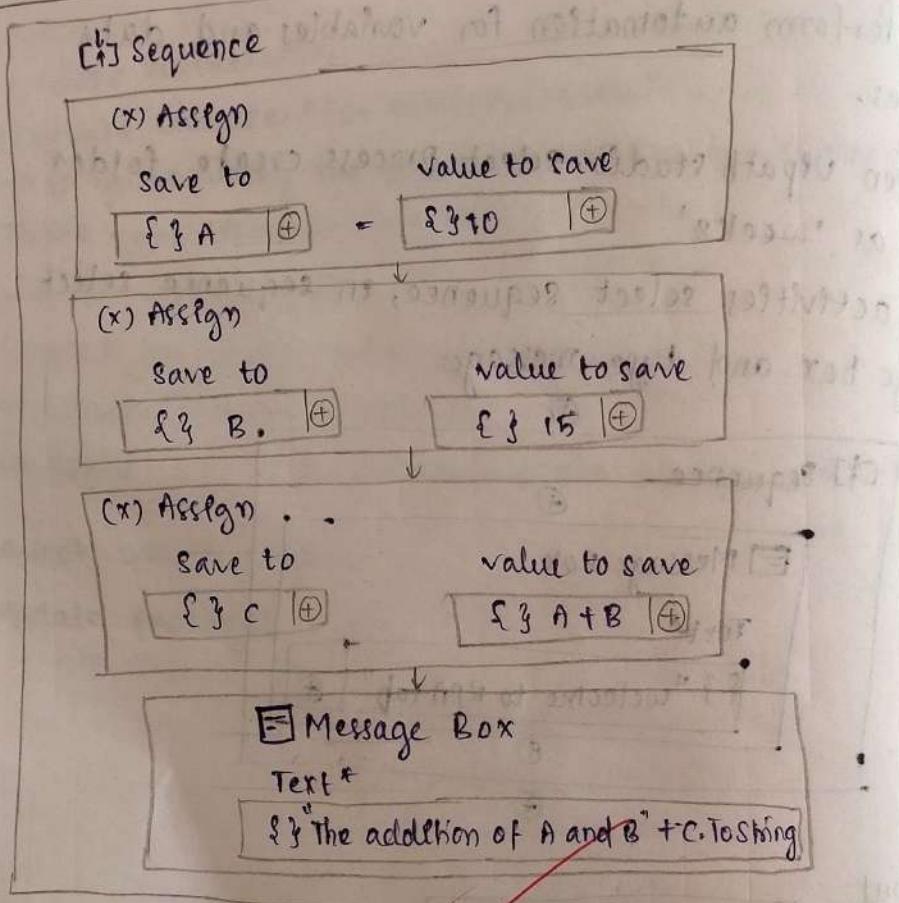


Output:



- Select write line and type "Hello" it will show message in locals.

Addition: (int)

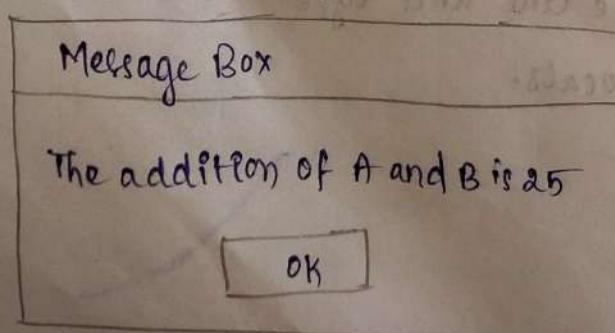


→ In assign save to first do "ctrl+K" and -type variable

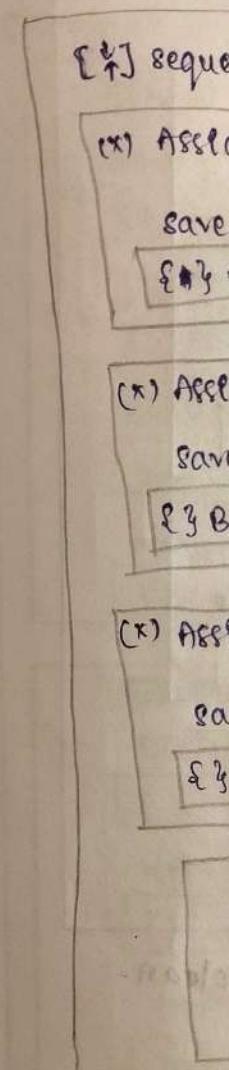
→ In variables change variable type to int32

→ click on debug

Output:

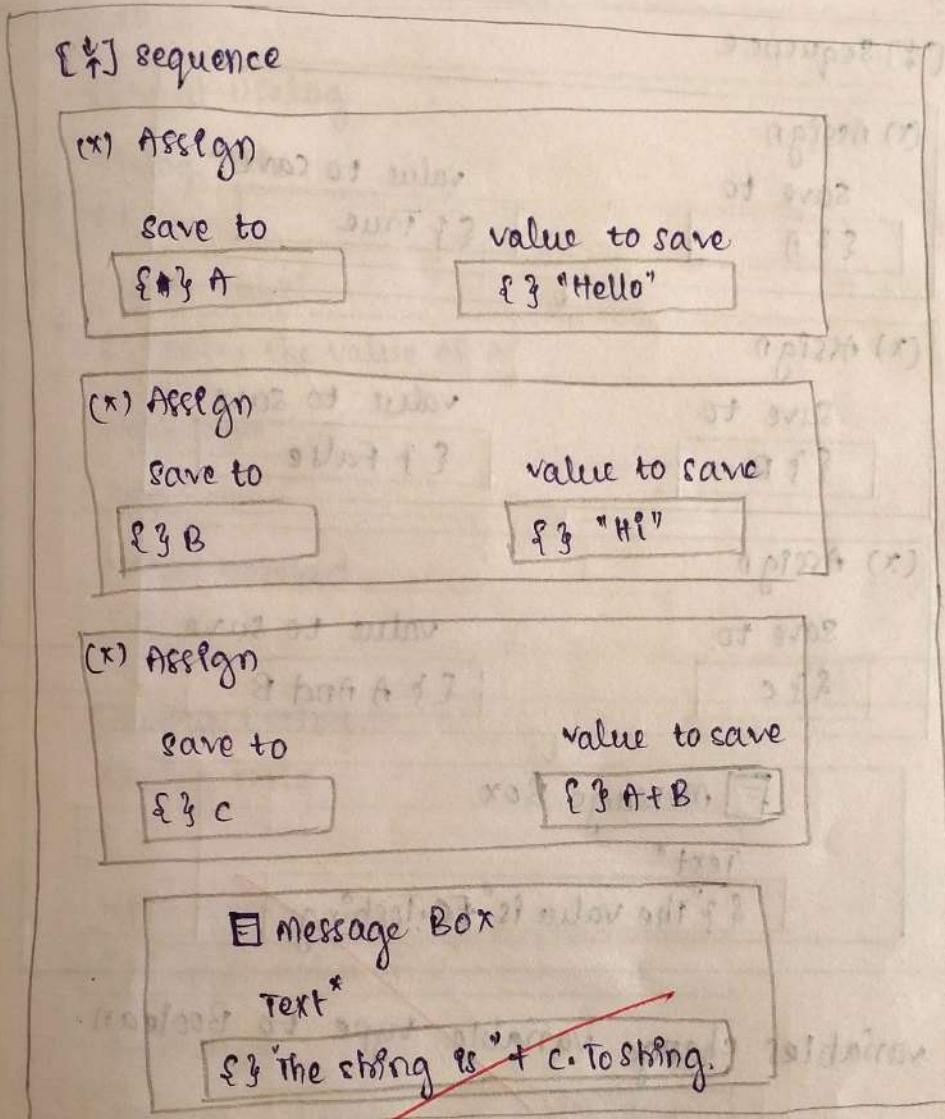


String:



→ In variable output:

String:



→ In variables change variable type to string.

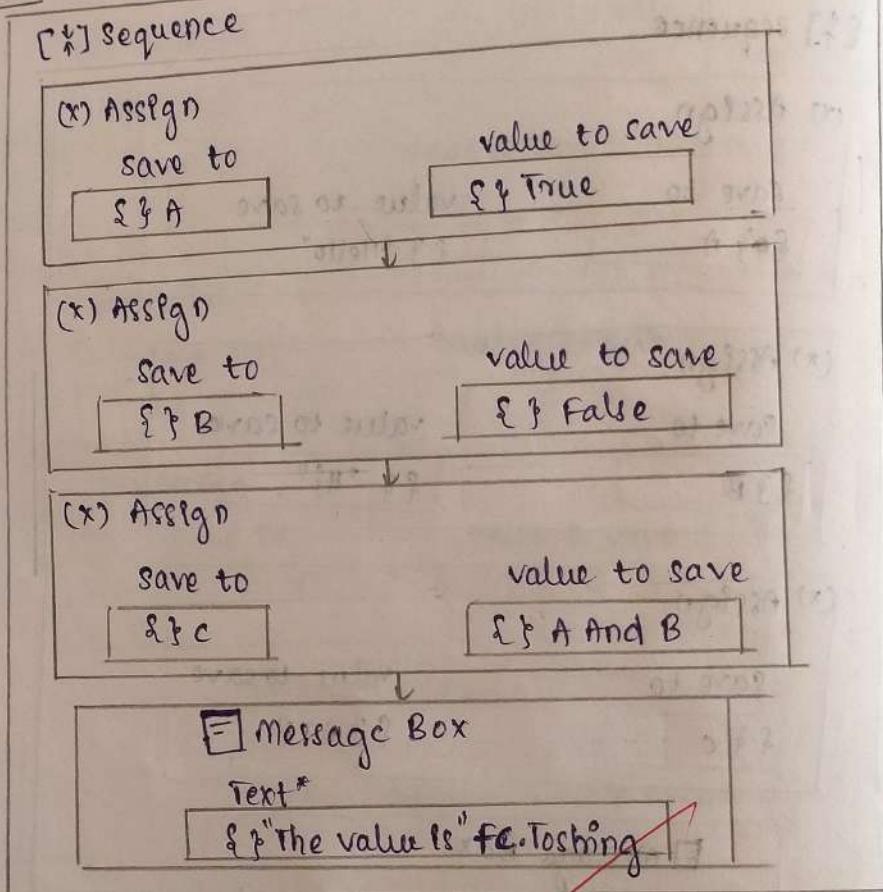
Output:

Message Box

The string is HelloHi

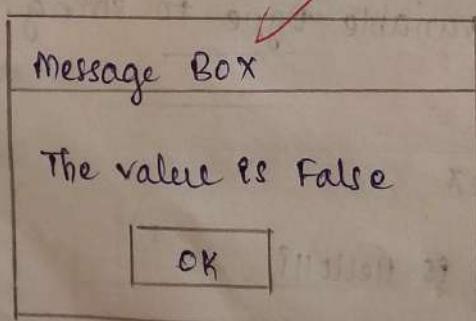
OK

Boolean:

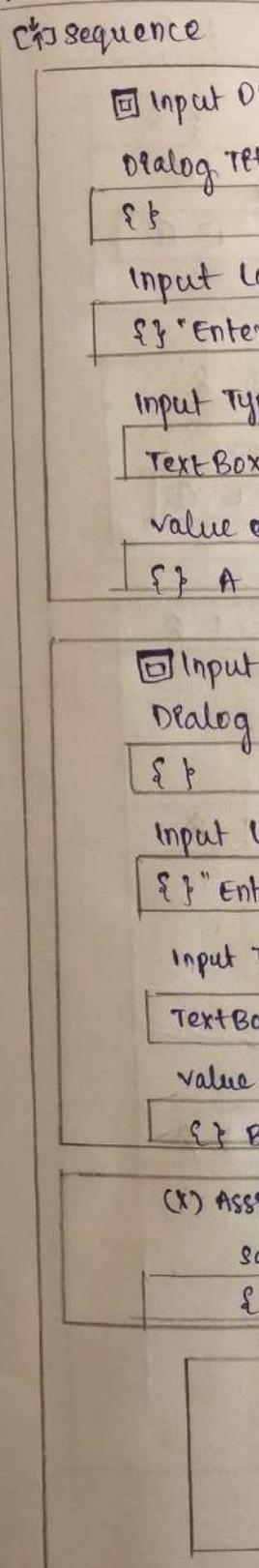


→ in variables change variable type to Boolean.

Output:



Input Dialog:



Input Dialog:

(*) Sequence

Input Dialog

Dialog Title

{ }

Input Label

{ } "Enter the value of A"

Input Type

TextBox

✓

value entered

{ } A

Input Dialog

Dialog Title

{ }

Input Label

{ } "Enter value of B"

Input Type

TextBox

✓

value entered

{ } B

(*) Assign

save to

{ } c

value to save

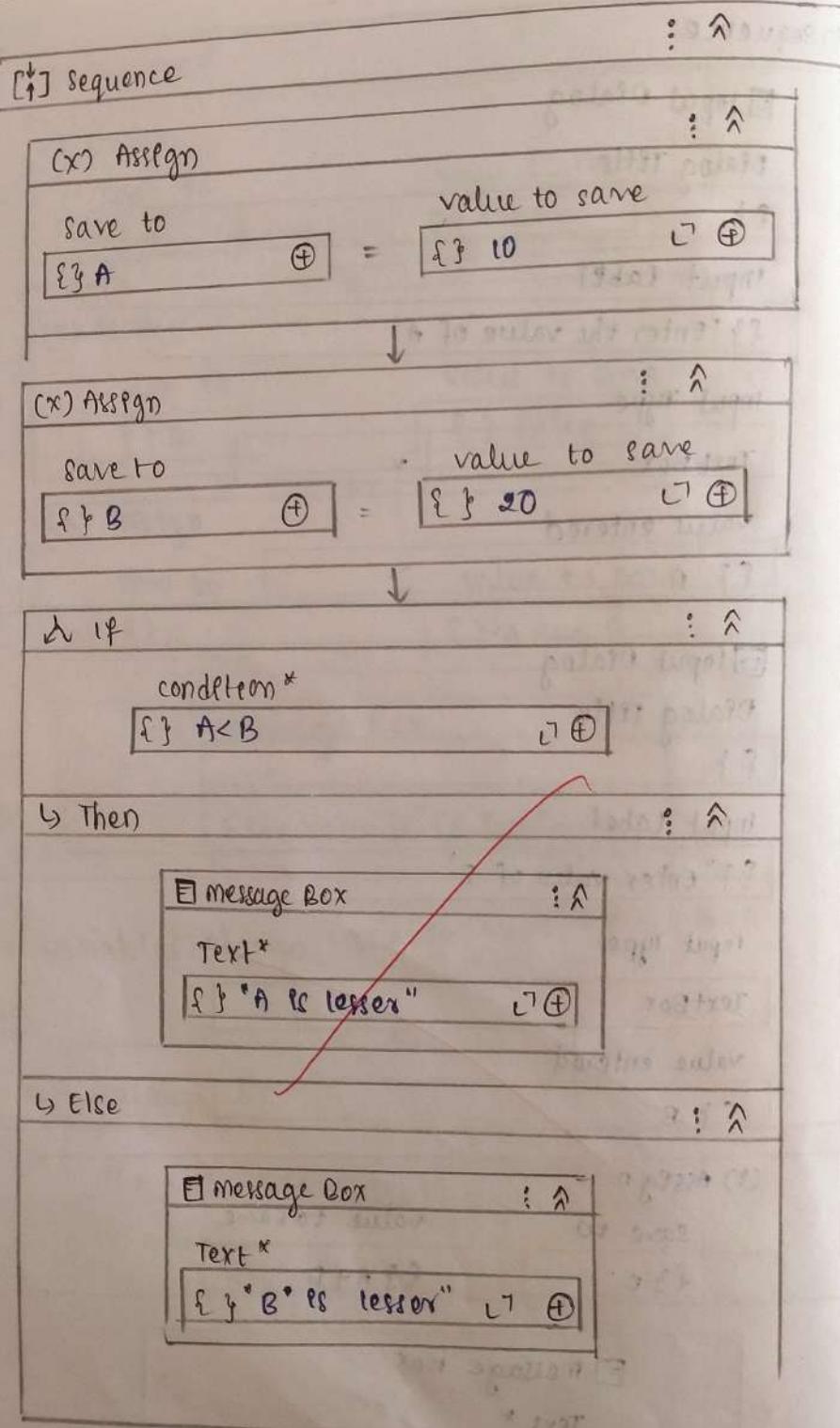
{ } A+B

Message Box

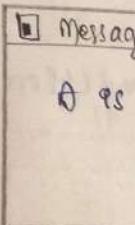
Text *

{ } "The value is "+c. Eoshing

If:



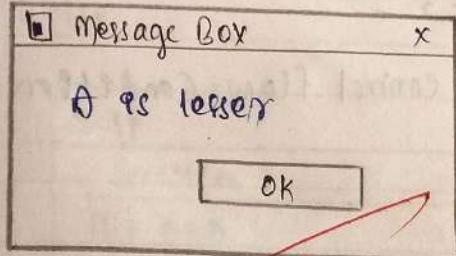
output:



From
5/2/25

CLICK

output:



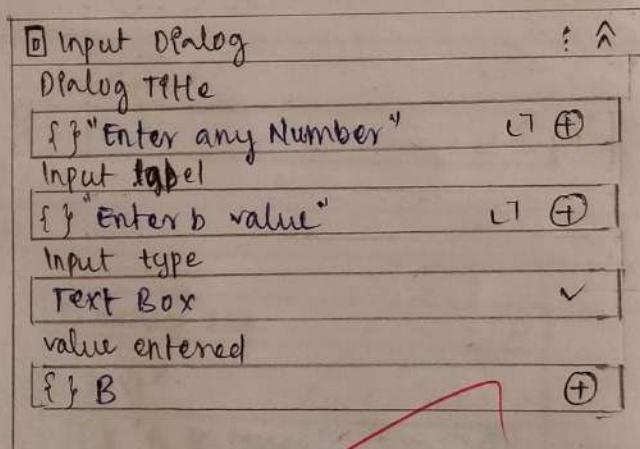
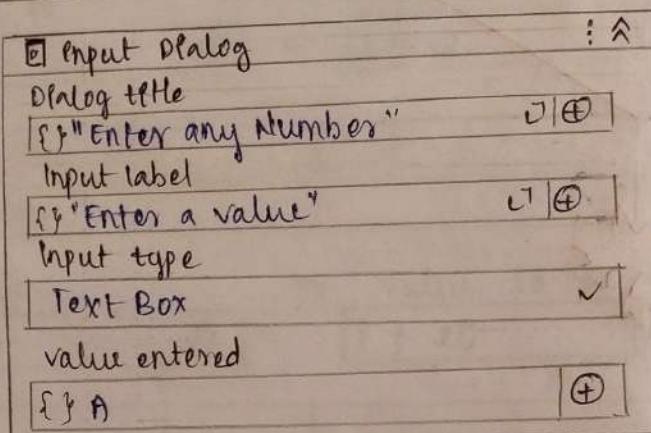
Bonni
5/2/25

Week-3

05/02/25

Aim: Design a process for control flow: Conditional statements.

[]
sequence



↳ if

Condition:

{ } A = B

↳ Then

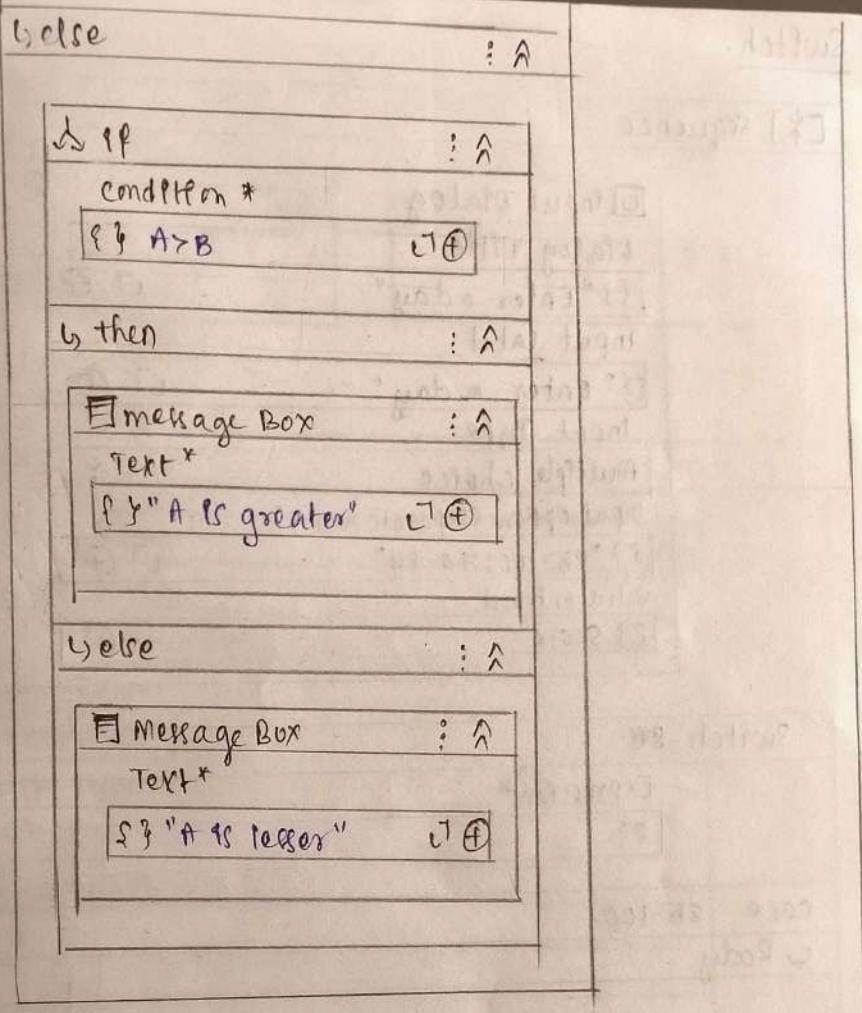
Message Box

Text *

{ } "A is equal to B"

output:

Enter any Number
Enter a value
12



output:

Enter any Number	x
Enter A value	
12	
<input type="button" value="OK"/>	

Enter any Number	x
Enter B value	
4	
<input type="button" value="OK"/>	

Message Box	x
A is greater	
<input type="button" value="OK"/>	

Switch:

[] sequence

Input Dialog	: ^
Dialog Title	
{ } "Enter a day"	U ⊕
Input Label	
{ } "Enter a day"	U ⊕
Input Type	✓
Multiple choice	
Input Options (separate with ;)	
{ } "85-100; 70-84"	U ⊕
Value entered	
{ } Score	⊕

Switch 85-

Expression*

{ }

case 85-100

↳ Body

Message Box

Text

{ } "first"

: ^

case 70-84

↳ Body

Message Box

Text

{ } "second"

: ^

↳ Default

Message Box

Text

{ } "fall"

: ^

olp:

Enter a day

Enter a day

85-100

0

while:

[] sequence

Input	C
Dialog	
{ } "Enter	
Input	
{ } Enter	
Input	
Text	
Value	
{ } n	

Assign

Save to

{ } f

Assign

Save to

{ } a

cl

OLP:

Enter a day	x
Enter a day	
85-100	v
OK	

Message Box	x
First	
OK	

while:

C# Sequence

Input Dialog	x
Dialog title	
{ "Enter any value to n"	c7 ⊕
Input Label	
{ "Enter the value of n"	c7 ⊕
Input Type	
Text Box	v
Value entered	
{ }n	⊕



Assign

Save to

{ }n

value to save

{ }1

Assign

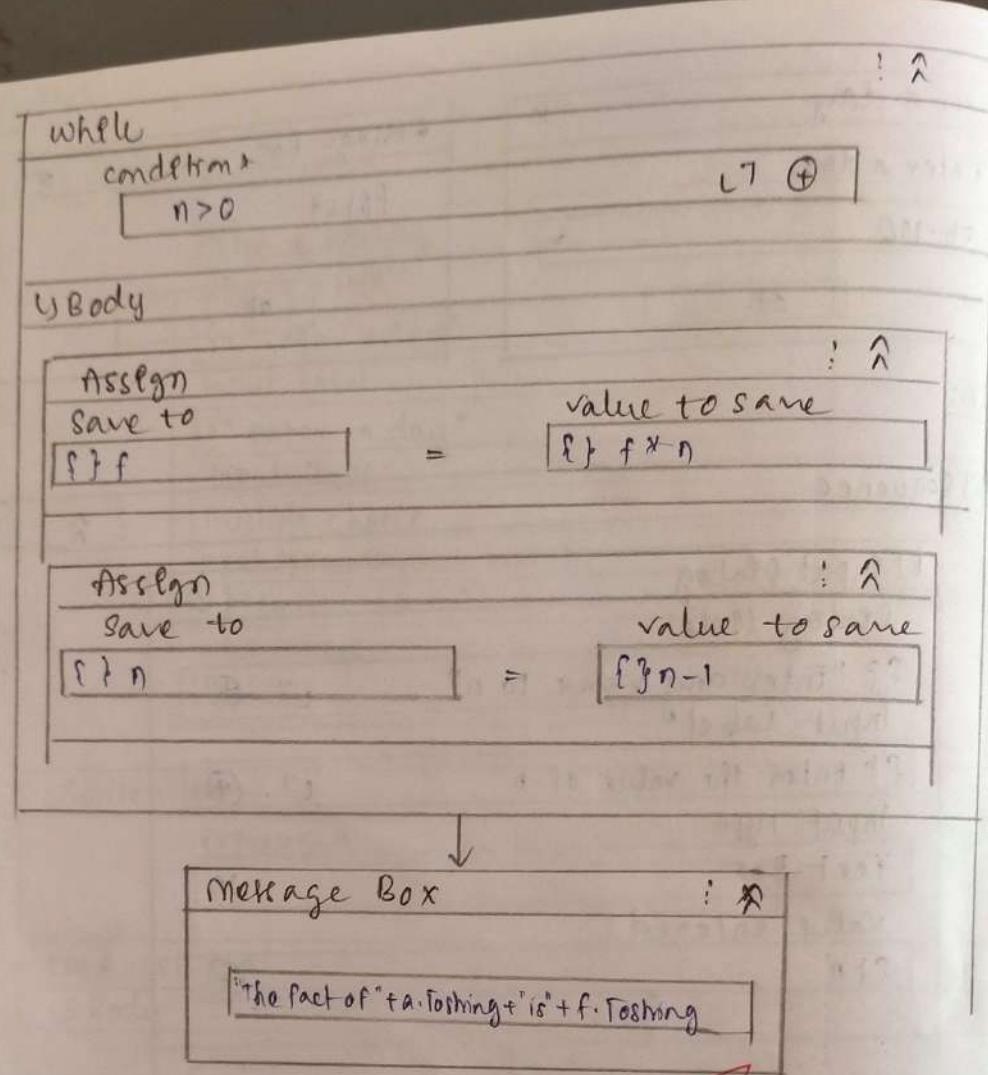
Save to

{ }a

value to save

{ }n





O/P:

Enter any value to n x

Enter value of n

OK

Message Box x

The fact of 5 is 120

OK

- Aim: Create variables,
- Drag the
 - Within the
 - create vari
 - Title "En
 - Another
 - Drag Ass
 - $A^*B + B^*Bt$
 - Another
 - Message
- click on

hleek-4

12/02/25

Aim: Create a process for data manipulation scalar variables, collections, tables and text manipulation.

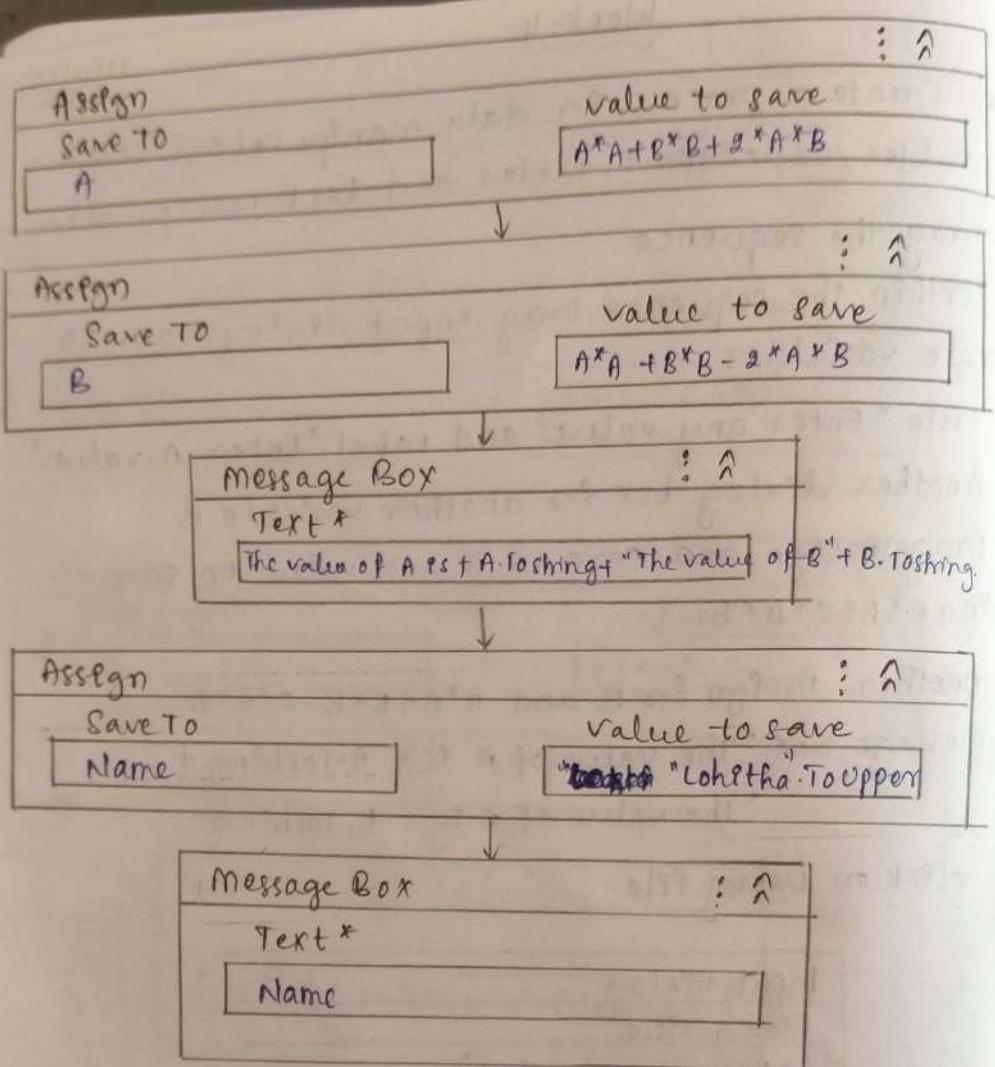
- Drag the sequence
- Within the sequence drag input dialog box to create variables.
- Title "Enter any value" and label "Enter A value"
- Another dialog box for another variable B
- Drag Assign and save to A and value to save $A^*B + B^*B + 2^*A^*B$
- Another assign for B and $A^*A + B^*B - 2^*A^*B$
- Message box "The value of A is" + A.ToString + "The value of B is" + B.ToString
- click on Debug file.

Input Dialog	: ^
Dialog title	
{ } "Enter any value"	
Input label	
{ } "Enter the A value"	
Input type	
Text Box	✓
value entered.	
for A	

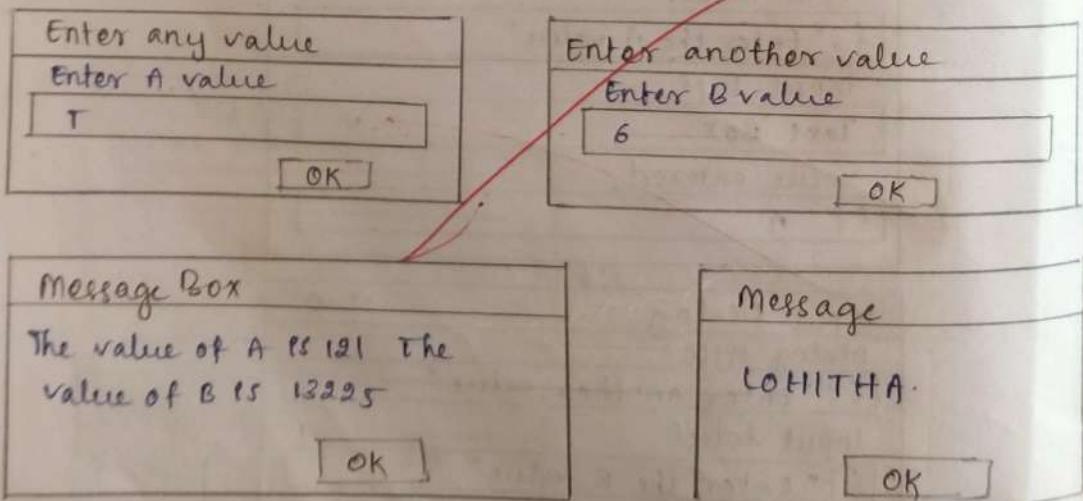
Input Dialog	: ^
Dialog title	
{ } "Enter another value"	
Input label	
{ } "Enter the B value"	
Input type	
Text Box	✓
value entered.	
B	

List:

- Drag the
- Save to "
- from {RPB}
- For the
- In that sec
- In dropd
- Drag the
- give what
- To deepl



Output:

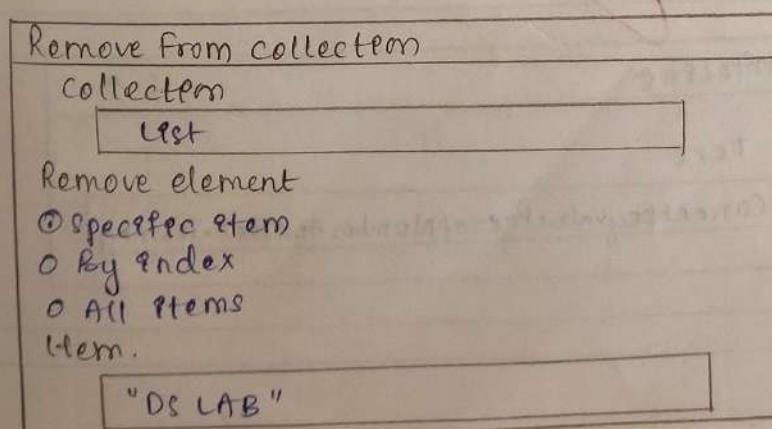
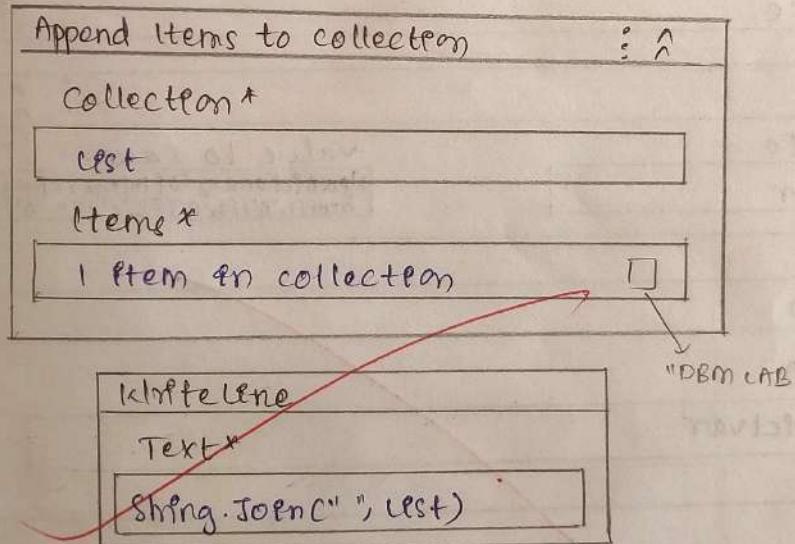
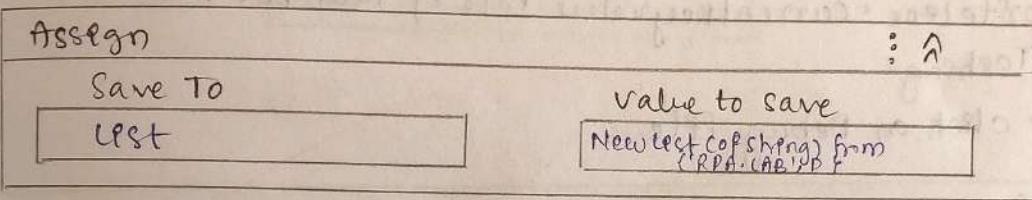


App
C
e
H
I

Rem
co
|
Rem
① Sp
O fo
O A
Men

List:

- Drag the sequence. In that drag assign.
- Save to "list" and value to save "NewList(Cof shing)"
from {"RPA LAB", "DS LAB", "C LAB"}
- For the 'list' variable type go to Browse to type
In that search for "System.Collections.Generic.List"
- In dropdown select string and select the list
- Drag the append item. to collections. In the item
give what you want to append.
- To display Drag write line "String.JoinC", list)



Whitelene

Text

String.Join(" ", rest)

output: RPA LAB C LAB DBMS LAB.

Dictionary:

- Drag the sequence and in that assign.
- In that save to "Dectvar" value to save "New Dictionary of Integer. string" from $\{ \{1, "A"\}, \{2, "B"\}, \{3, "C"\}, \{4, "D"\} \}$
- Drag for each in In "Dectvar" and Body Drag whitelene "currentKeyValue Pair of Number And Text. ToString"
- click on Debug file

Output:

Message Box

{1, "A"}

Sequence

Assign

Save To

Dectvar

: 1

: 1

value to save.

NewDictionary of Integer. string
from $\{ \{1, "A"\}, \{2, "B"\}, \{3, "C"\}, \{4, "D"\} \}$

8pm
19/2/25

For each

In

Dectvar

Body

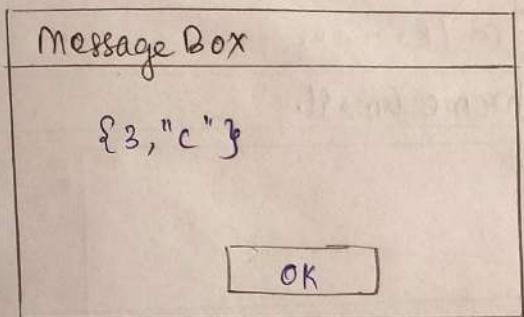
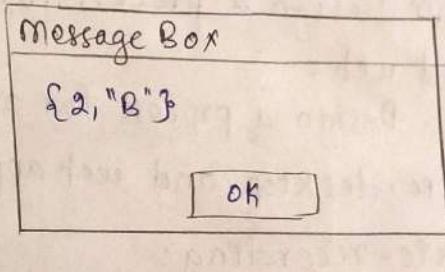
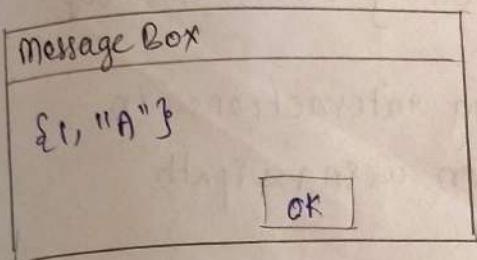
Whitelene

: 1

Text

currentKeyValue Pair of Number And Text. ToString

output:



Bruni
19/2/25

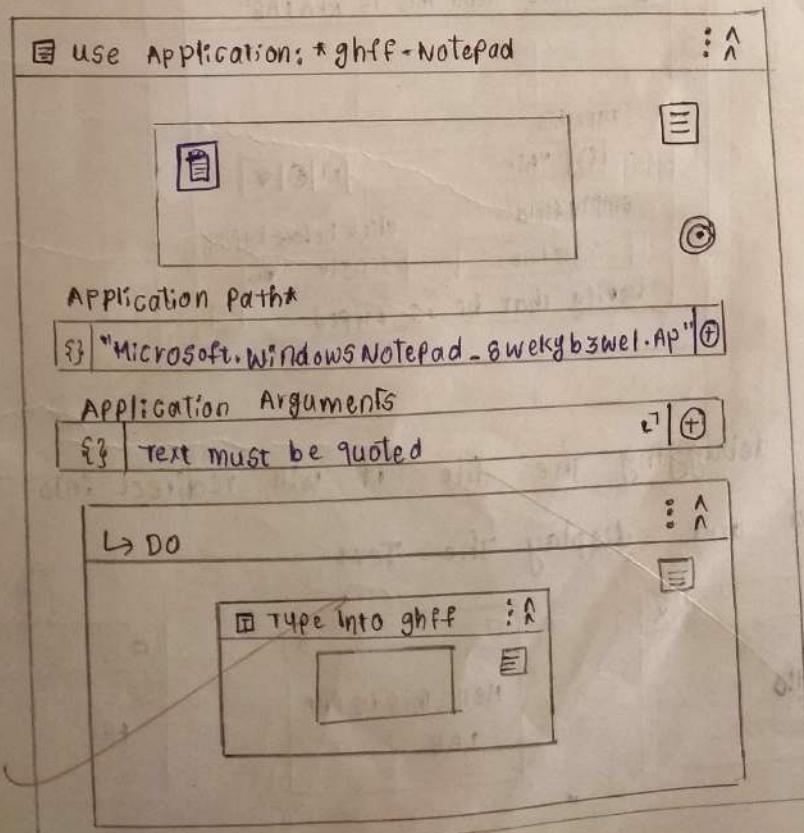
19/12/25

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 box 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

Empty field before typing Click before typing

Single line Single

Verify that "hello" is typed

↓

Type into "hi"

Type this:

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"

Type this:

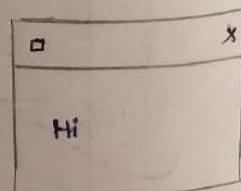
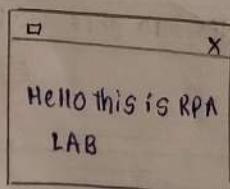
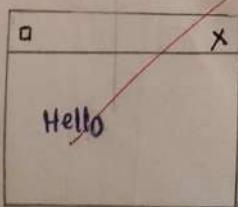
Empty field Click before typing

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



AIM) perform automation

→ open npath studio

→ Add a sequence

→ click on APPI web

Sequence

chrome new

Browser url: "chrom

↳ DO

Type 1

Type this:

Empty field Single

Keyboard

Send Enter

Week - 5

19/02/25

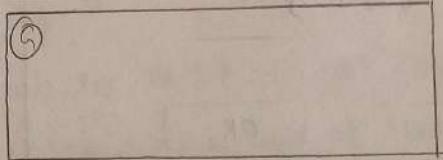
Aim: Design a process for recording - basics, desktop and web.

Design a process for recording interactions in basic, desktop, and web application using Uipath

• Basic - recording:

web: Use Application / Browser

⑥ Use Browser chrome: Gmail.



Browser v01

↳ "https://account.google.com/vi/1?"+

↳ DO

Type into "Email or phone"

Email or phone

Type this

"Padurlohittha14@gmail.com"

① Standard ② Secure

(-) (+)

Verify that padurlohittha14@gmail.com is typed

Get Text "Next"

Next

click type

Single

mouse button

left ✓

Type En

Enter

Type thi

*XXA**

Verify

click Dr

click

single

click

click

single

click

click

single

click

single

click

single

9/02/25
top

Type into "INPUT"

Enter Password

Type this

① Standard ② Secure

XXXXXX

Verify that typed text is typed

click DIV

Next

click type

single ✓

mouse button

left ✓

click 'A'

⋮ Ⓜ

click type

single ✓

mouse button

left ✓

click 'Sign out'

➡ Sign out

click type

single ✓

mouse button

left ✓

click "Remove an Account"

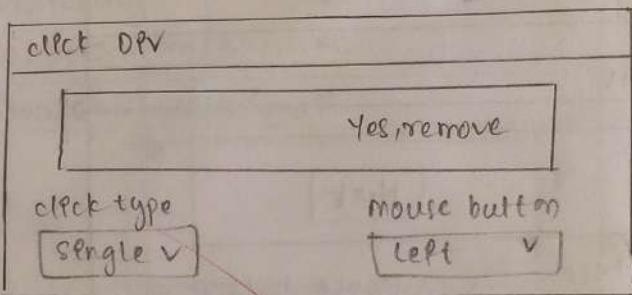
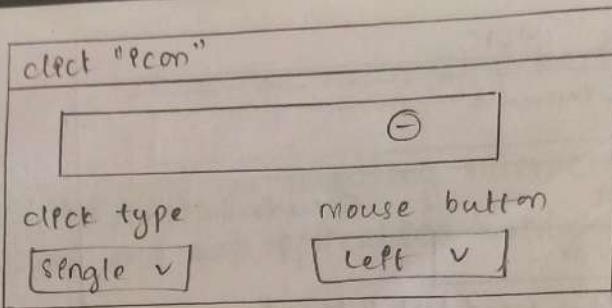
① Use another account
② Remove an account

click type

single ✓

mouse button

left ✓



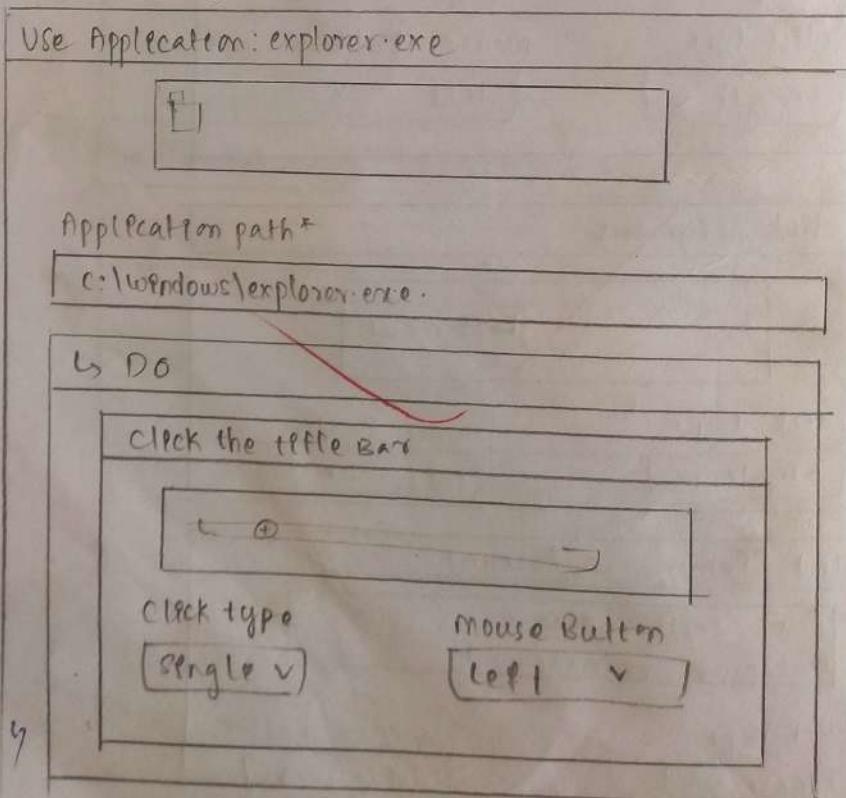
output:

→ it will open file

Output:

- It opens gmail and enters email id, password.
- It opens gmail account and it will sign out from it

Basic recording:



26/3

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 APP1Browser and select the search button
- In TypeThis 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 WriteText File and in Text bar give the name previously with name we save previously (Ext-txt)
- save the file with .doc extension

Experiment-6.

~~Parte~~

Designing a process for scraping data using screen scraping and data scraping.

Screen scraping:

① chrome wikipedia

Browser URL *
\${}^{*} \text{Robo https://www.wikipedia.org/}"

② Type into 'Search'

Type this
\${}^{*} \text{"Robotic Process Automation"}\$

Empty field before typing

clock before typing

Single line ✓

Single ✓

③ click 'INPUT' searchInput

clock type
Single ✓

mouse button
left ✓

④ Get Text 'Robotic process - en'

Save to
\${}^{*} \text{Ext-Txt}\$

output:

→ Go to project

Robot
a for
- on t
robot

Data scraping

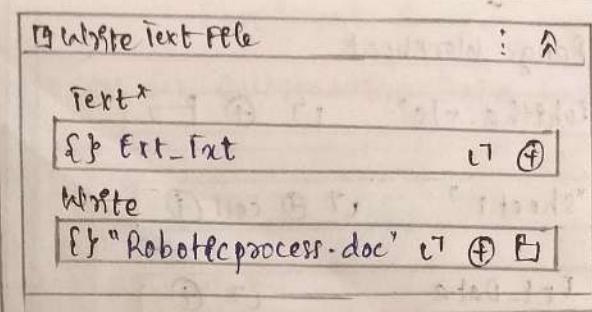
Browser

Browser URL
\${}^{*} \text{https://b...}\$

⑤ DO

Exh
Ext
Ext

screen



Output:

→ Go to project, click on folder and select RPA.doc.

~~Robotec Process Automation (RPA) is
a form of business process automation
that is based on software
robots (bots).~~

Data scraping:

The screenshot shows two steps in sequence. The first step is "Browser" with a URL input field containing "https://books.toscrape.com". The second step is "Extract Table Data" with an "Extract to" input field containing "Ext-Data".

Write Range Workbook

{f "lohittha.xls"} {7} {④} P

{ } "sheet1" {7} {④} cell {④}

{f Ext-Data {7} {④}}

Output:

→ Go to project, click on folder and select lohittha.xls.

Book name	Price	Availability
A light en the Attic	\$51.77	In stock
Tipping the velvet	\$52.74	In stock
Soumission	\$50.10	In stock
sharp objects	\$47.82	In stock
The requirement Red	\$54.23	In stock
The Dirty secrets	\$22.65	In stock.

26/2/19

Design a process

Sequence

① Read
Read
② F C
Output
③ O
④ H a

⑤ Write
write
⑥ O
write
⑦ H
How
⑧ Writ
⑨ Inc

⑩ E

⑪ Write
write
⑫ O
write
⑬ H
How
⑭ Appar
⑮ Inc

Week - 7.

Done:

Aim: Perform automation for customizing selectors.

Steps:

1. open uipath studio & create a process.
2. Add a sequence and click on use App/Browser
3. click on App/Web Recorder

Sequence

chrome New Tab

Browser URL

"chrome://newtab!"

Keyboard shortcuts

Type into "editable text address"

Type this
amazon.in

Empty field before typing.
Single Line (End, v)

① standard ② secure

click before typing.
Single ↵

Send Key combination.
Enter

The screenshot shows a sequence step in Uipath Studio. The first step is labeled 'chrome New Tab'. Below it is a 'Browser URL' input field containing the URL 'chrome://newtab!'. A red arrow points from this URL field down to the 'Type into "editable text address"' section. This section contains a text input field with the text 'amazon.in', a radio button for 'standard', another for 'secure', and a 'click before typing' checkbox with 'Single' selected. Below this is a 'Keyboard shortcuts' section with a text input field and a 'Send Key combination.' dropdown containing 'Enter'. The entire sequence is enclosed in a large rectangular frame.

Type Int

Type

"mob

Empty fe

single

Keyboa

Send

TDow

Hone

Get T

Save

outp

Double

clock

Double

Type Info "INPUT two tabs search"

Type thes.

"mobster"

Empty field before typing click before typing.

single line ✓

single

Keyboard shortcut

send key combination

[Down] [Enter]

Hover "prime"

Prime ▾

Get Text "update location"

Save to .

output

Double click "update location"

click type

Double

mouse button.

left

Type into "All"

Type this
"Perfumes"

Empty field before typing
Single line ✓

click before typing
Single

Keyboard shortcuts

Enter *

Take screenshot

File name
"Screenshot.png"

Highlight 'showing product with f'

- create a process
- Go to chrome
 - Login with admin, license
 - copy the AP
 - Now open u
 - select use
 - goto chrome
 - click on Re
 - chrome, click
 - on MISC proper
 - click on Q
 - output → Text
 - In message
 - created.

⑥ Browser

Browser
* <https://llu>

10/3/21

Week-5

19/03/25

create a process for image and text automation.

→ Go to chrome and open cloud.uipath.com

→ Log in with your email, click on 3 dots (...), click on admin, licenses, and then pro trial

→ copy the API key in consumables.

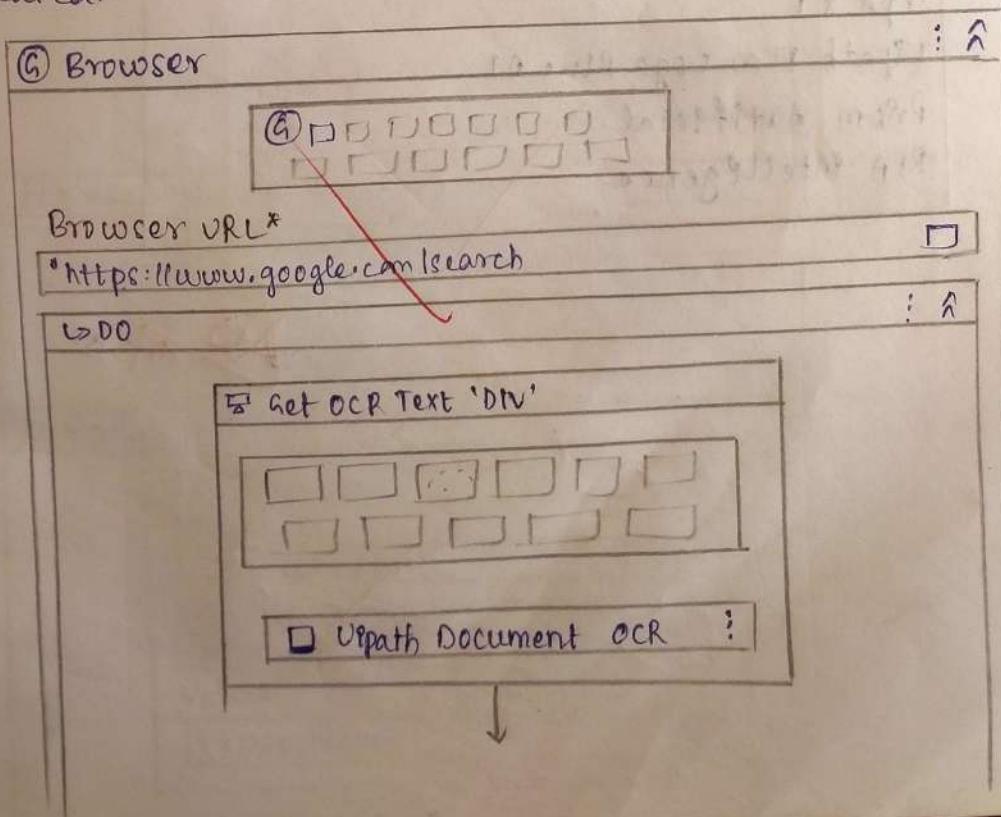
→ Now open uipath studio.

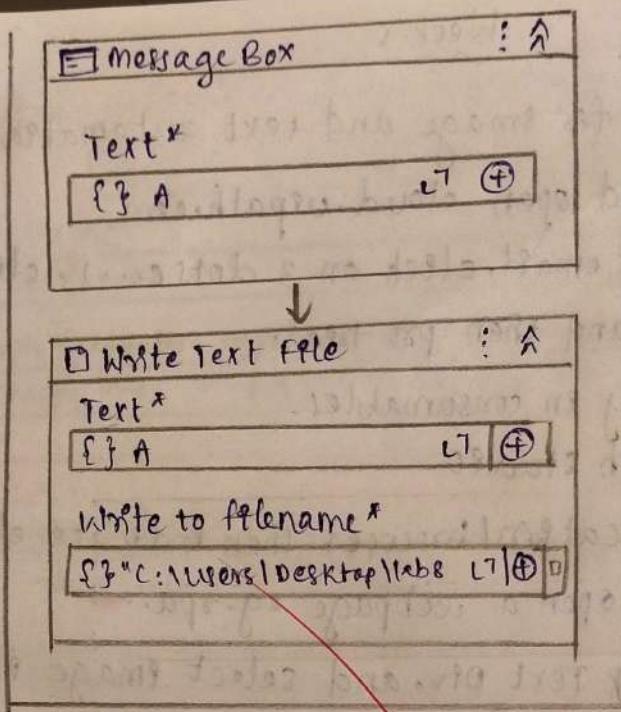
→ select use application browser then indicate element
go to chrome and open a webpage eg. spa.

→ click on Get OCR Text DIV, and select image in
chrome. click on uipath Document OCR and set API Key
in Misc properties)

→ click on Get OCR Text box then create a variable in
output → Text → in properties.

→ In message Box give variable name which you have
created.





Output:

[google.com/search?q=SCA-ESV&rlz=4d1ee51fr12](https://www.google.com/search?q=SCA-ESV&rlz=4d1ee51fr12)

$\text{IC1CHBD-EN-GRDN10212N1021fq = spafudm=2}$
 $\text{& fbs = ABZOT - cwdhQUPIF}$

Browser Automation 4 You

γράκι

Vipath Econ logo Blue A1

Prism Artifacial

RPA Intelligence

~~△~~ 15(3)10

For each

D

१

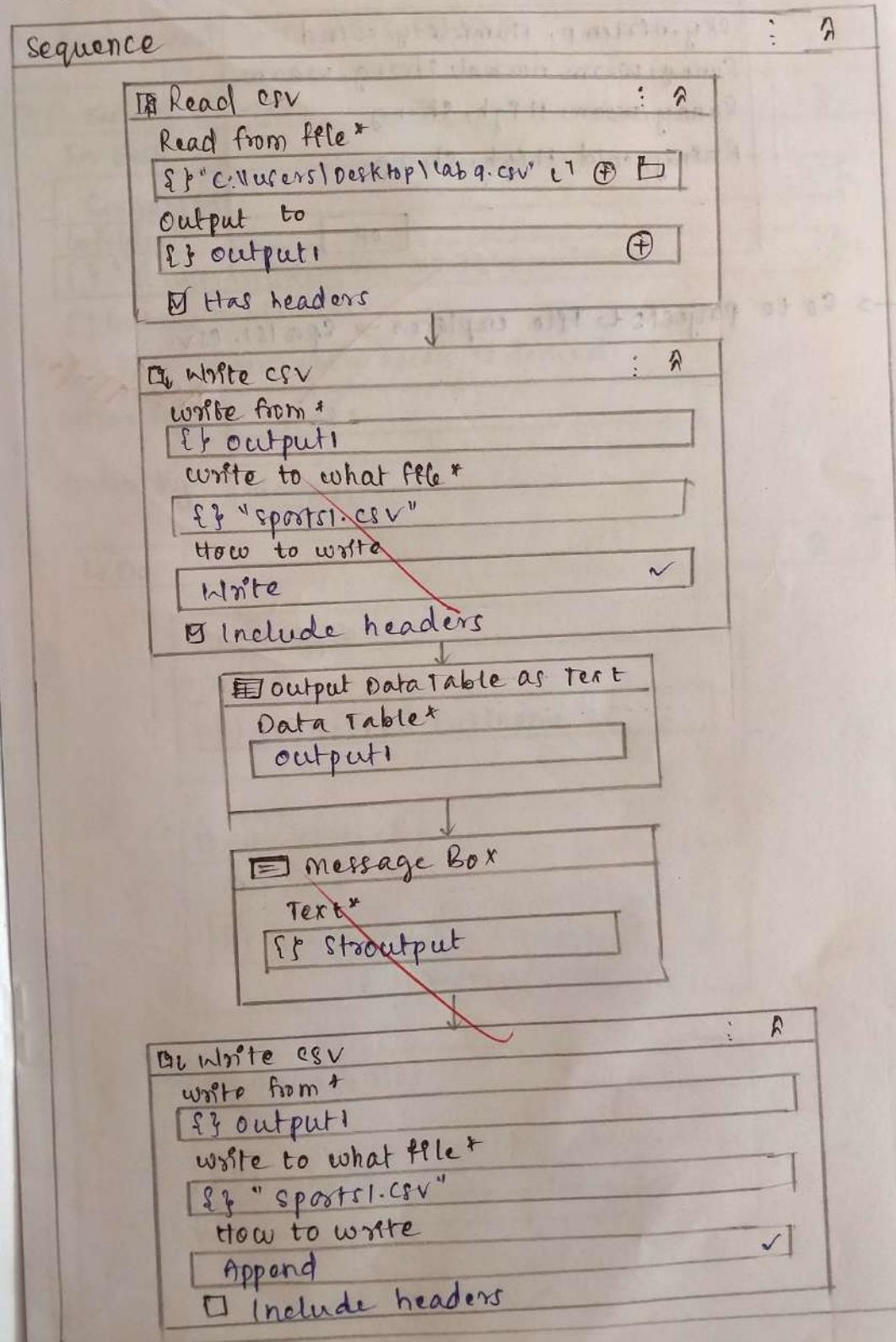
16

6

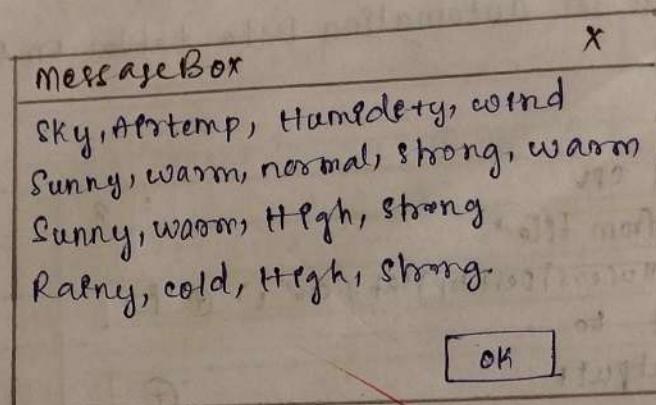
↳ Body.

Experiment - 9. Data

Design a process for automating Data tables on excel.



output:



→ Go to projects → File explorer → spots1.csv.

↓
Now 155/n

Aim: Design a folder and

For EachFileInF

For Each

CurrentFil

In folder *

{3 "C:\User\l

Include su

Skip folde

Filter by:

Order by:

↳ Do

EN

Tex

fi

DE

P

si

EN

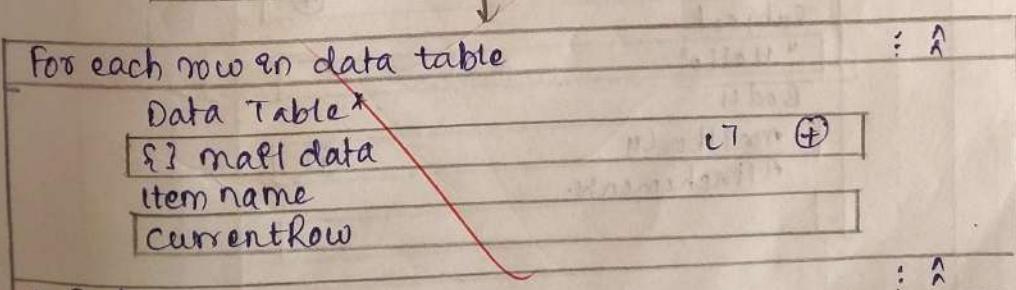
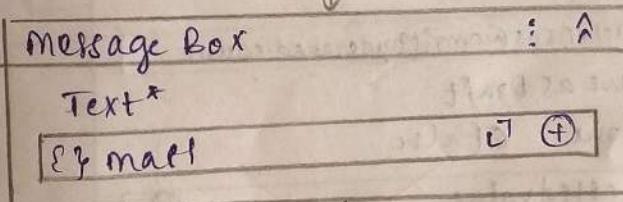
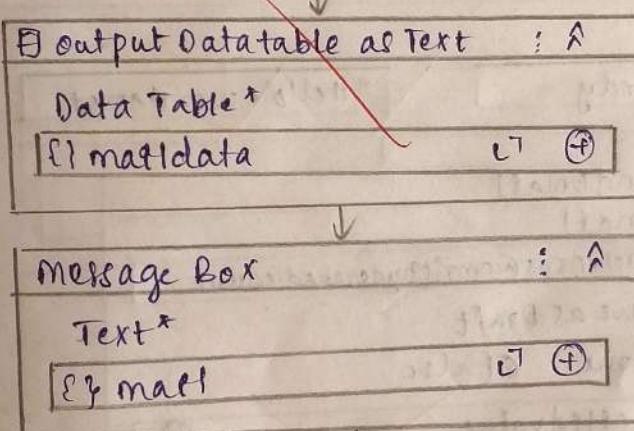
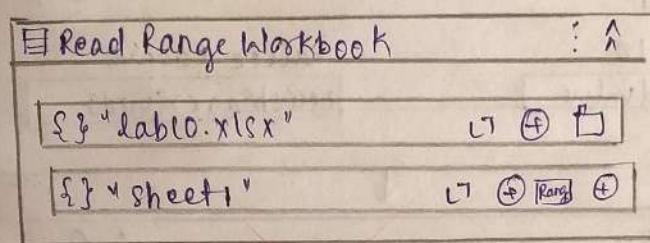
E

Week-10

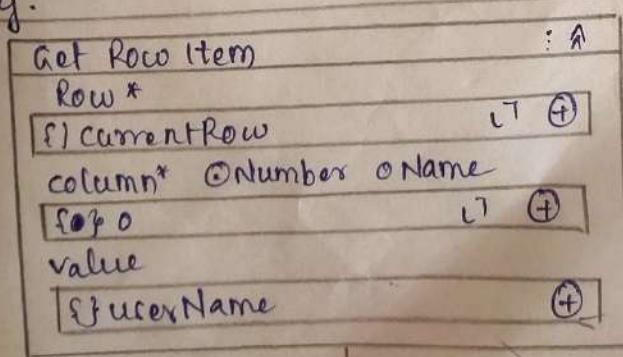
Date

Aim: Perform email automation.

- open excel sheet and create two columns with Name and emailids. create 5 data values.
- save that file in your folder.
- open ulpath studio.

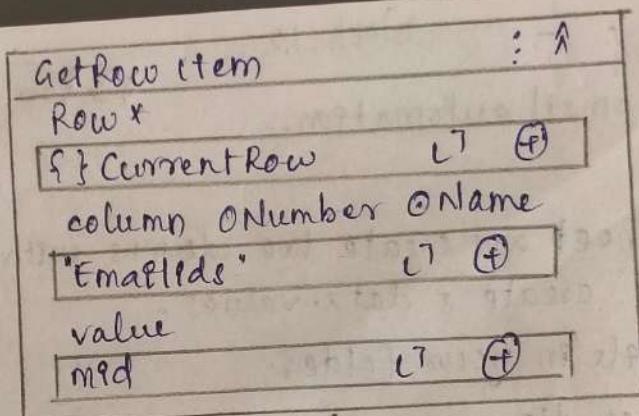


↳ Body.



Output:

Name,
Lohith
Lohith
Lohith
Noor
mou



↓

: ^

(x) Assign

Save to

{EmailId} =

value to save

newstring({mid})

↓

: ^

(x) Assign

mailbody

"Hello" + userName

↓

Send Email

Gmail

22r01a05us@cmrithyderabad.edu.in

Save as Draft

True False

mailIdValue

⊕

Subject

"Hello"

Body

mailbody

⊕

Attachments

output:

Name,Emailids

lohetra, padumlohetra14@gmail.com

lohetra1, padumlohetra@gmail.com

lohetra2, 22201a0545@cmrithyderabad.edu.in

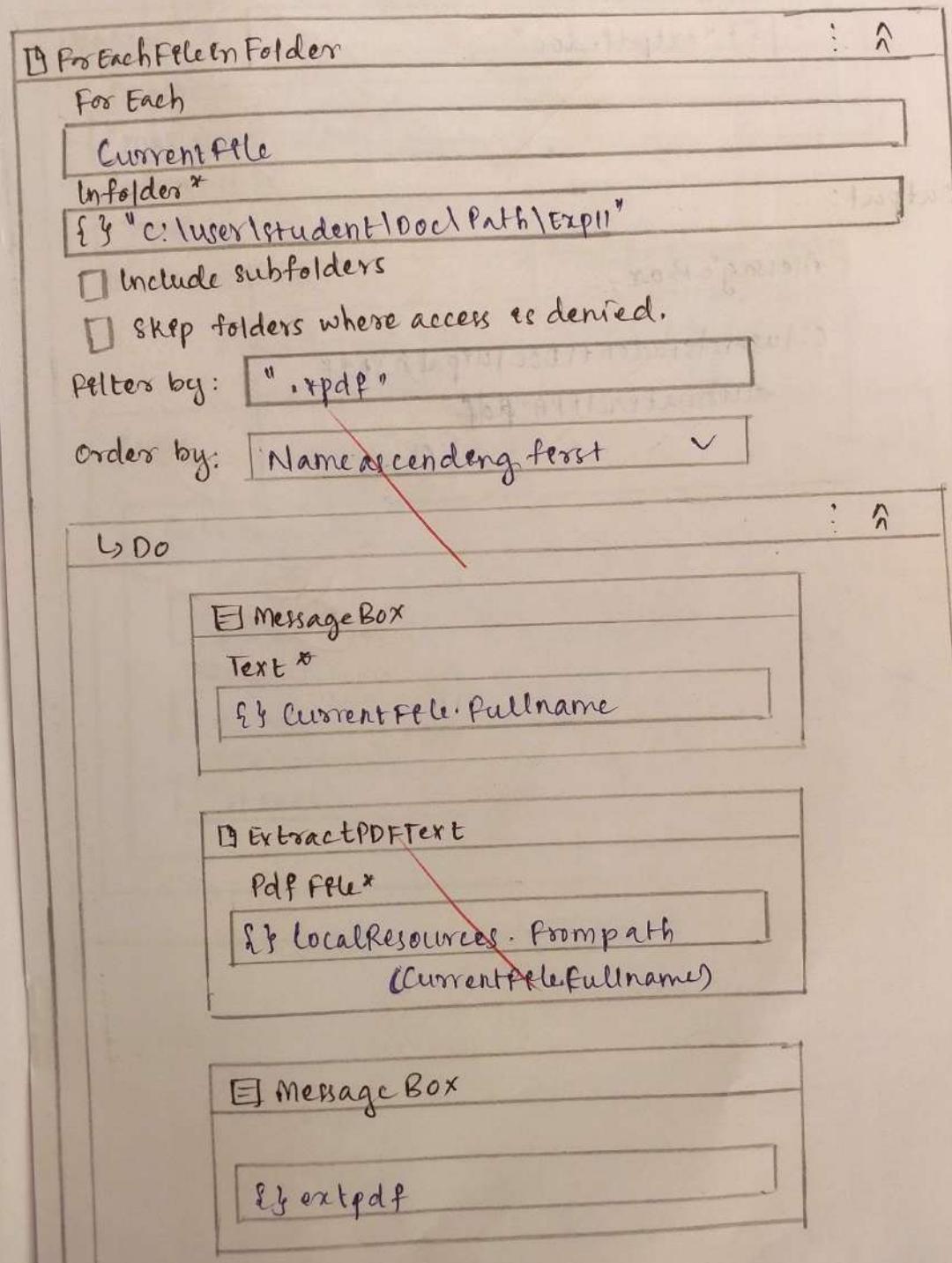
Nooreen, 22201a0544@cmrithyderabad.edu.in

mouni, 22201a0546@cmrithyderabad.edu.in

Ans
26/3/19

Experiment - 11 Date

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



19 Write Textfile

```
Text *  
{ } "extpdf"  
WhiteToPfilename *  
{ } "extpdf.doc"
```

Output:

MessageBox.

C:\users\student\DOC\upath\pdf
automateonRPA.pdf

OK

AM

Experiment - 12

Date:

Aim: Create an automation to change the background color of excel cell/rang.

Use Excel File

ExcelFile

"mathexam.xlsx"

Reference As

Excel

Save changes

Create if not exists

Same as project

Read Formatting

TemplateFile

Do

GetRangeColor

color *

System.Drawing.Color.DarkOrange

Range *

"A1:A9"

SheetName *

"sheet1"

Output:

	A	B	C
1			
2			
3			
4			
5			
6			
7			

✓ A

Aim: Design
send this re

for
In
{
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D
8

On
Do
& F

M
T
St

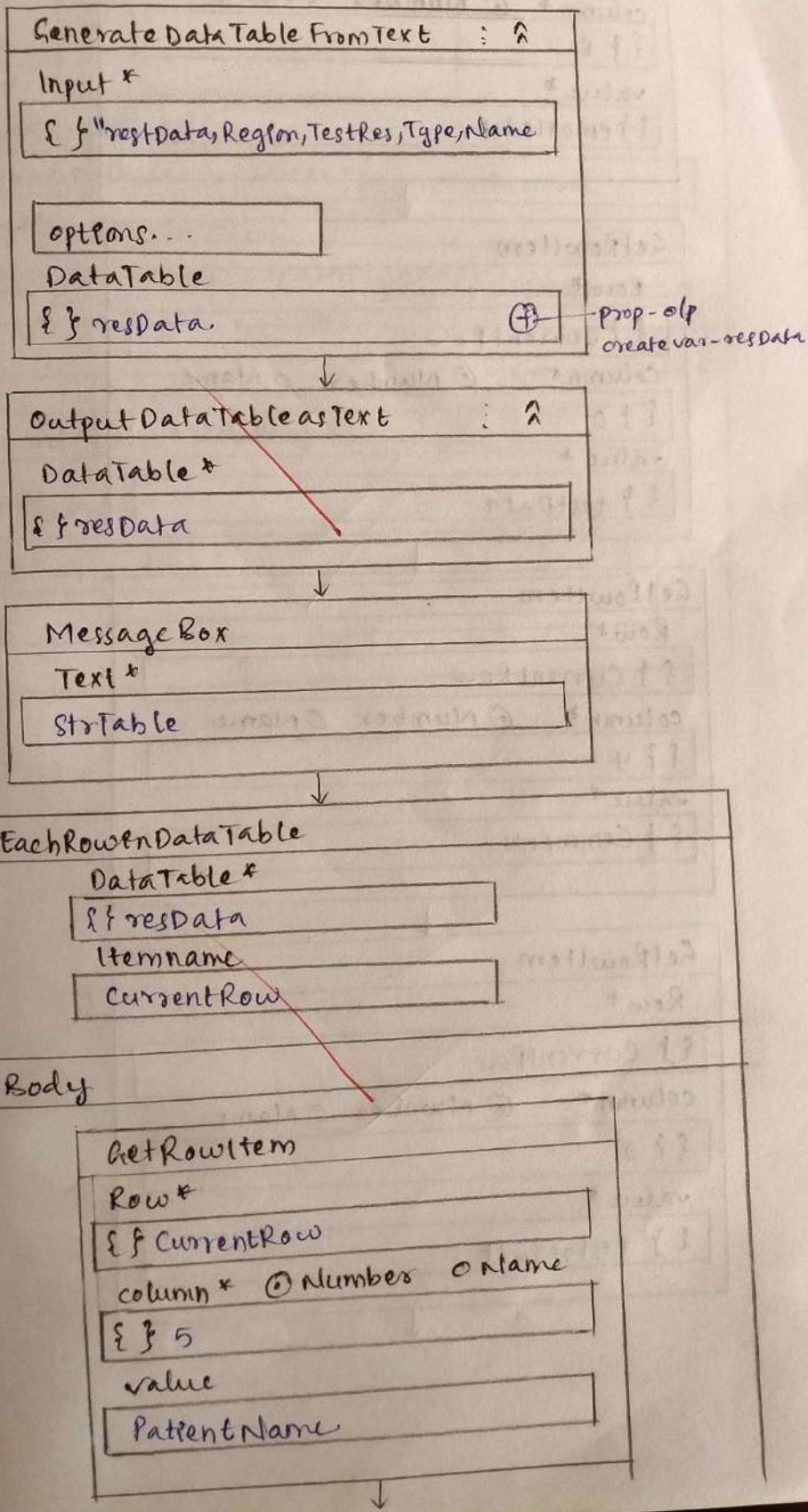
ForEach

↳ Body

Experiment - 13.

Date

Aim: Design a process to Generate covid-19 report and send this report



GetRowItem

Row *

{ } CurrentRow

column * ① Number ② Name

{ } 6

value *

{ } emailedstr

↓
GetRowItem

Row *

{ } CurrentRow

column * ① Number ② Name

{ } 0

value *

{ } testData

↓
GetRowItem

Row *

{ } CurrentRow

column * ① Number ② Name

{ } 4

value *

{ } Comments

↓
GetRowItem

Row *

{ } CurrentRow

column * ① Number ② Name

{ } 2

value *

{ } testresult

new - wordcp

Application

C:/programm

Application

C:/users/

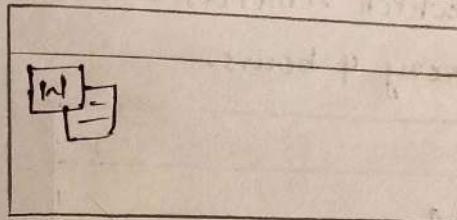
↳ Do

wordf

Releip

{ } "ne

new-word(product ActivationFailed)



Application path*

C:/program files/Microsoft/Office/16/wenword.

Application arguments

C:/users/documents/cvpath/blankprocess

↳ Do

↳ word Application scope

Filepath*

{5}"new.docx"



Aim: Create a process which reminds a user to take his medicine after every 4 hours.

Delay
Duration
8:00h 00m 02.00s

Message Box
Text *
"This is the time to take med"

// comment out
↳ Ignored activities
(X) Assign
Save to
emailAddress
value to save
NewString(" ")

to take

//comment out

↳ Ignored Activities

Send Email

Gmail

Default (22010105@cmihyderabad.edu.in)

Save as draft True False
To

email addresses

Subject

"Notification for taking med"

Body

B I U S : = < > - / +

This is to inform you to take
medicine

Output:

Message Box

This is the time to take Medicine

OK