

6-1-25

Week-1

## 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"

6) select com

→ choose

→ UiPath

→ UiPath

→ UiPath

→ click "Next"

7) select Ad

→ choose a

such as en

→ click on

8) Installation

→ wait for

a few min

9) complete

→ once th

exit the

10) Activate

→ if you'

activate yo

• open

• click

• sel

• En

to

## studio

→ click "next" to proceed

### 6) select components:

→ choose the components you want to install

→ vipath studio: the main development environment

→ vipath robot: the execution agent for running automation processes

→ vipath 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 vipath studio

- click on 'Help' in the top menu

- select "Activate" license

- Enter your license key and follow the prompts to activate



11) Launch vspath studio:

→ Double-click on the vspath 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 vspath account

12) update packages (Optional):

→ once vspath 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 vspath studio. You can now start creating, testing, executing automation projects using vspath

22-1-25

Aim: Perform autom

Steps:

1) After creating the Left panel

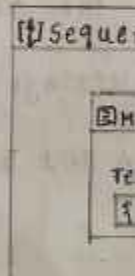
2) click on the @

3) then search The

4) Type Any string quotes

5) And then debu

6) At last it wi

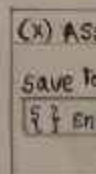


SUM of 2 Number

1) After creating the left panel

2) select the @

3) search for ASST

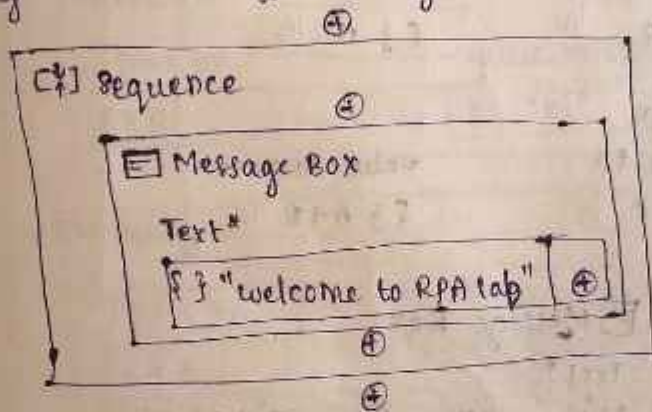


click

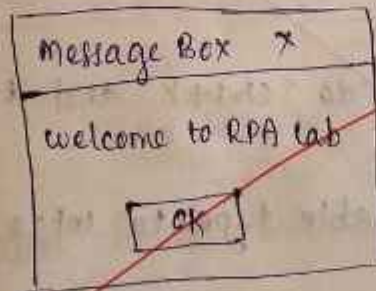
## Week-2

Aim: Perform automation for variables and data types.

- open Uipath studio, select process create folder name as 'week2'
- in activities select sequence, in sequence select message box and type message.

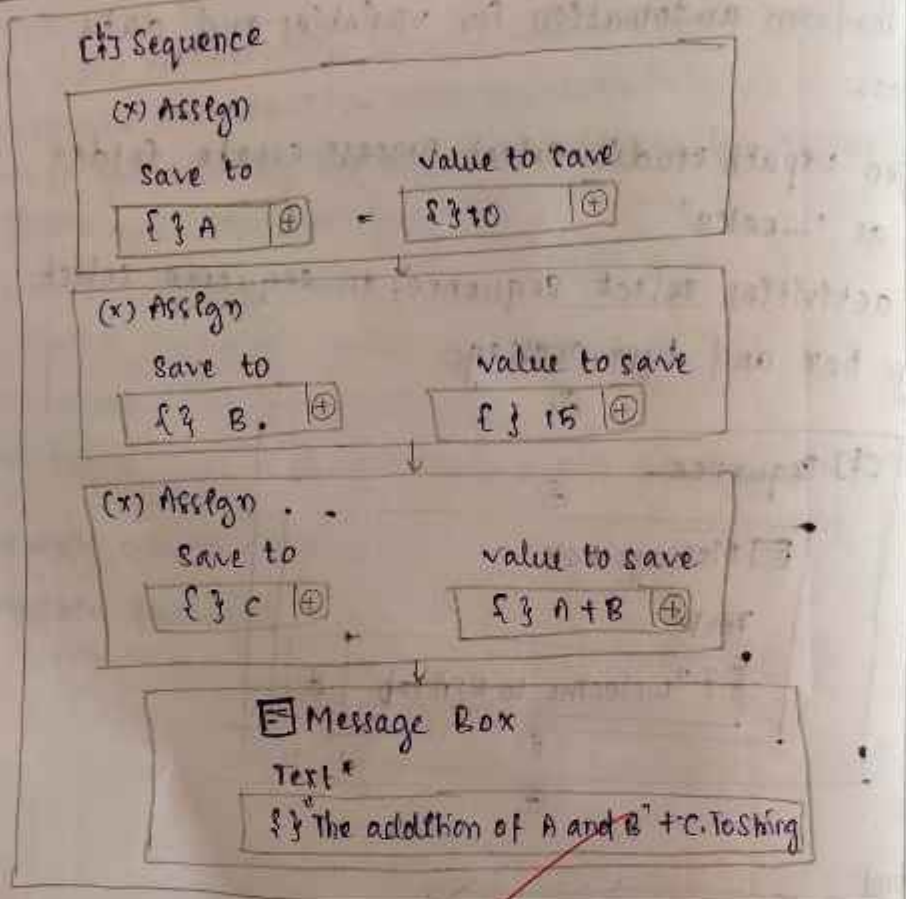


output:



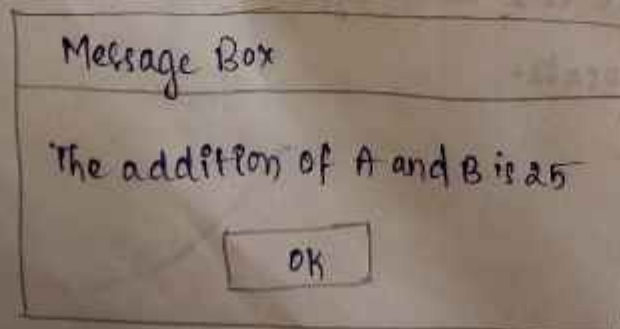
- select write line and type "Hello" it will show message in locals.

## Addition: (int)

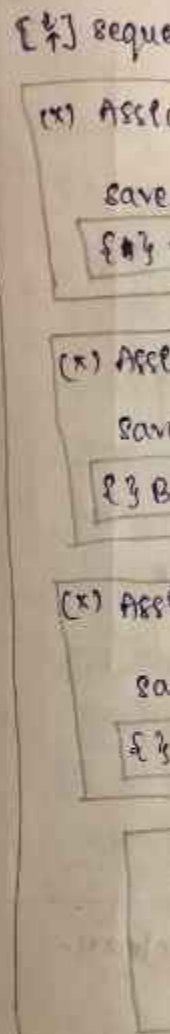


- In assign save to first do "ctrl+k" and type variable
- In variables change variable type to int32
- click on debug

output:



## String:



→ In variable  
output:



String:

[\*] sequence

(\*) Assign

save to

{#} A

value to save

{#} "Hello"

(\*) Assign

save to

{#} B

value to save

{#} "Hi"

(\*) Assign

save to

{#} C

value to save

{#} A+B

☒ Message Box

Text\*

{#} "The string is " + C + "To string."

→ In variables change variable type to string.  
Output:

Message Box

The string is HelloHi

OK

Boolean:

[+] Sequence

(x) Assign

save to

{ } A

value to save

{ } True

(x) Assign

save to

{ } B

value to save

{ } False

(x) Assign

save to

{ } C

value to save

{ } A And B

Message Box

Text\*

{ } "The value is" & C & ". Testing"

- In variables change variable type to Boolean.  
output:

Message Box

The value is False

OK

Input Dialog:

[+] Sequence

Input Dialog

Dialog, Text

{ } True

Input Dialog

{ } "Enter"

Input Type

Text Box

value of

{ } A

Input Dialog

Dialog, Text

{ } True

Input Dialog

{ } "Enter"

Input Type

Text Box

value of

{ } B

(x) Assign

save to

{ }

## 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 + " is " + c + " is " + c + " is "



14:

[+] Sequence

(x) Assign

Save to { } A ⊕ = { } 10 ⊕ ⊕

value to save



(x) Assign

Save to { } B ⊕ = { } 20 ⊕ ⊕

value to save



if

condition\*

{ } A < B ⊕ ⊕

↳ Then

message Box

Text\*

{ } "A is lesser" ⊕ ⊕

↳ Else

message Box

Text\*

{ } "B is lesser" ⊕ ⊕

output:

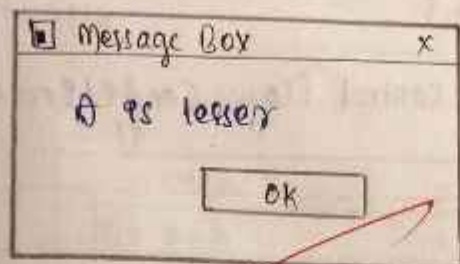
message

0 98

*Boomi  
5/2/25*

click

output:



Soroni  
5/2/25

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

[+] sequence

[-] Input Dialog		:	^
Dialog title			
{ }	"Enter any Number"	:	+
Input label			
{ }	"Enter a value"	:	+
Input type			
Text Box			
value entered			
{ }	A	:	+

[-] Input Dialog		:	^
Dialog title			
{ }	"Enter any Number"	:	+
Input label			
{ }	"Enter b value"	:	+
Input type			
Text Box			
value entered			
{ }	B	:	+

[-] if		:	^
Condition			
{ }	A=B	:	+

[-] Then		:	^
[-] Message Box			
Text *			
{ }	"A is equal to B"	:	+

output:

Enter any
Enter b
12



else

: A

if

: A

condition \*

{ A > B

} ⊕

then

: A

Message Box

: A

Text \*

{ "A is greater"

} ⊕

else

: A

Message Box

: A

Text \*

{ "A is lesser"

} ⊕

output:

Enter any Number x

Enter A value

12

OK

Enter any Number x

Enter B value

4

OK

Message Box x

A is greater

OK

## Switch

### [?] Sequence

#### ☒ Input Dialog

Dialog Title

{ } "Enter a day"

Input Label

{ } "Enter a day"

Input Type

Multiple choice

Input Options (separate with ;)

{ } "85-100; 70-84"

Value entered

{ } Score

#### Switch 88-

Expression\*

{ }

#### case 85-100

↳ Body

#### ☒ Message Box

Text\*

{ } "first"

#### case 70-84

↳ Body

#### ☒ Message Box

Text\*

{ } "second"

#### ↳ Default

#### ☒ Message Box

Text\*

{ } "fall"

O/P:

Enter a day

Enter a day

85-100

while:

### [?] Sequence

#### ☒ Input Dialog

Dialog

{ } "Enter a day"

Input Label

{ } "Enter a day"

Input Type

Text

Value

{ } 0

Assign

Save to

{ } 0

Assign

Save to

{ } 0

O/P:

Enter a day	x
Enter a day	
05-100	v
OK	

Message Box	x
First	
OK	

while:

[F] Sequence

Input Dialog

Dialog title

{} "Enter any value to n"

Input Label

{\* Enter the value of n"

Input Type

Text Box

Value entered

{\* n



Assign

Save to

{\* i

value to save

{\* 1

Assign

Save to

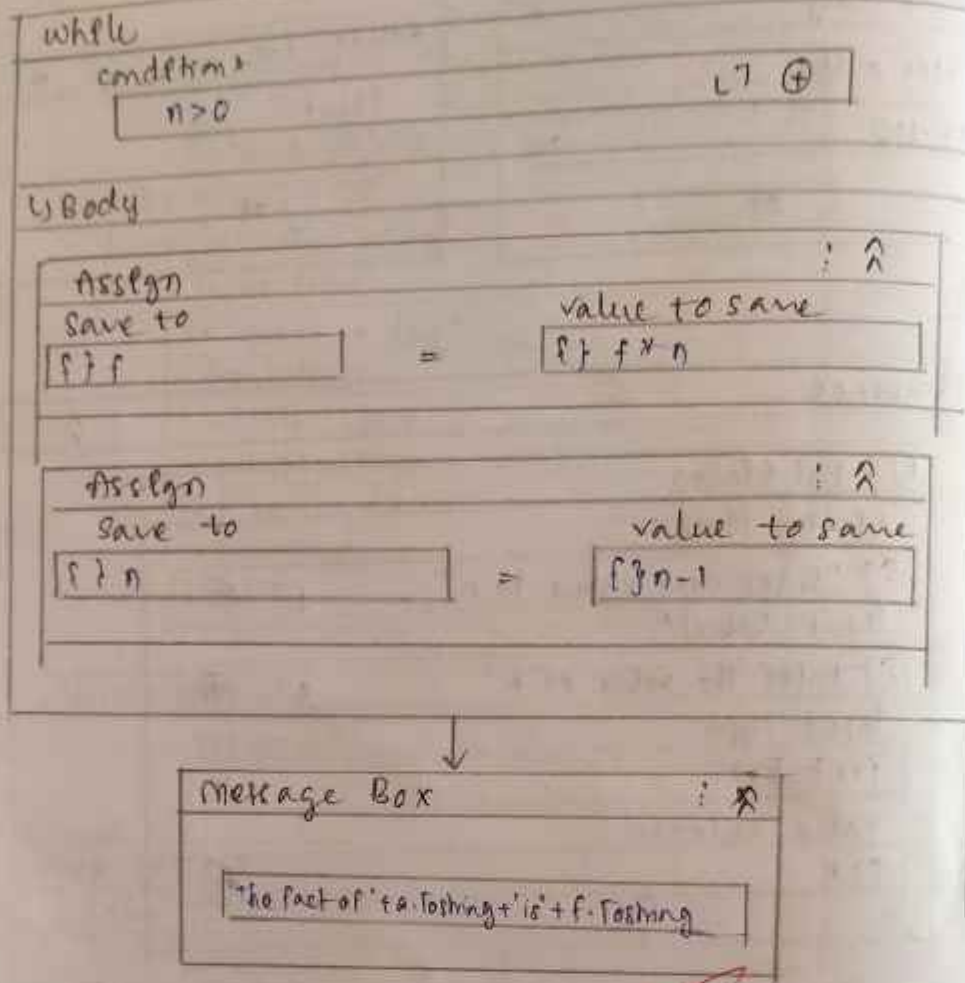
{\* a

value to save

{\* n







O/p:

Enter any value to n

Enter value of n

5

OK

Message Box

The fact of 5 is 120

OK

Aim: Create variables,

- Drag the
- within the
- create variable
- Title "Enter"
- Another
- Drag Assign
- $A * B + B * B +$
- Another
- message

→ click on

### Week-4

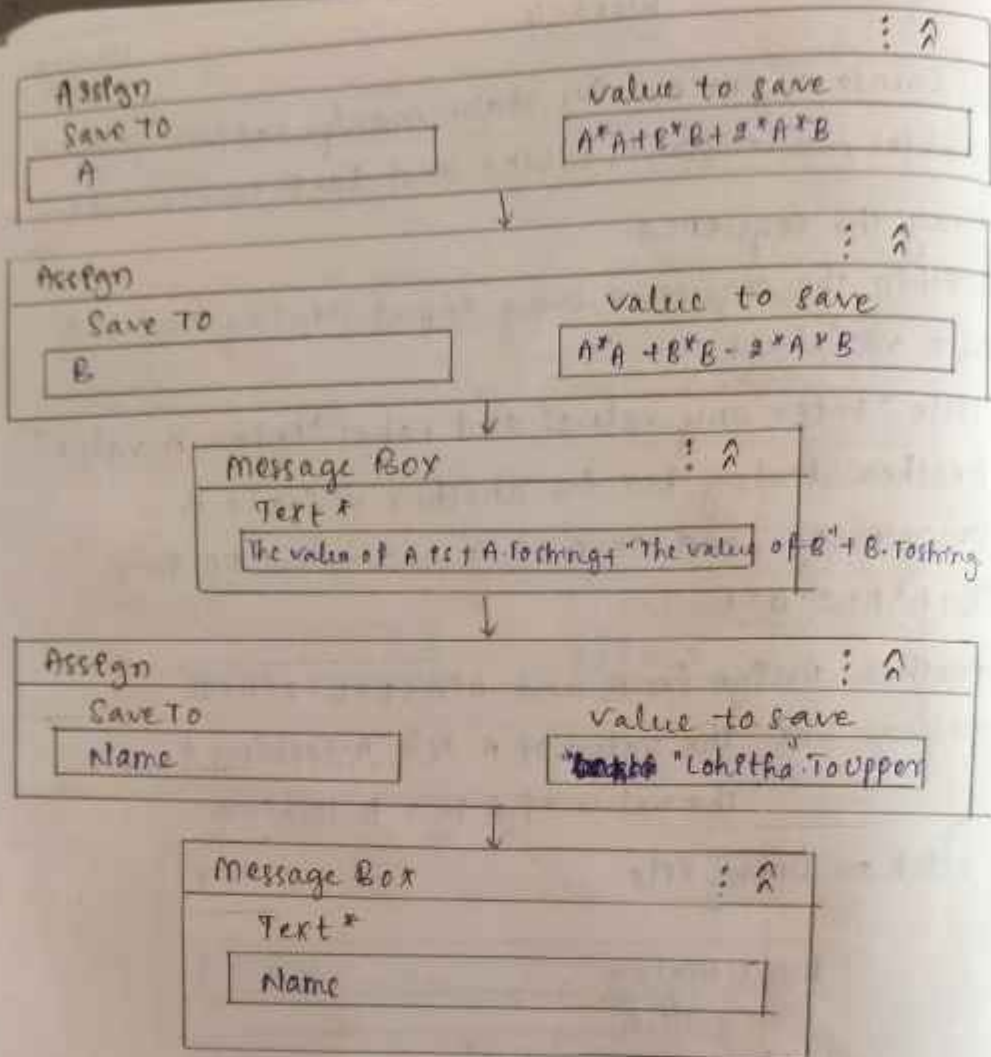
12/09/25

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  $A \times B + B \times B + 2 \times A \times B$
- Another Assign for B and  $A \times A + B \times B - 2 \times A \times B$
- 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.		
{ } A		

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



Output:

Enter any value  
Enter A value  
T  
OK

Enter another value  
Enter B value  
6  
OK

Message Box  
The value of A is 121 The value of B is 12225  
OK

Message  
LOHITHA  
OK

List:

- Drag the
- Save to
- from
- For the
- In that sec
- In dropd
- Drag the
- give what
- To despt

Assign  
Save  
List

App  
C  
e  
t  
i

Rem  
co  
Rem  
@sp  
o R  
o A  
Her



List:

- Drag the sequence. In that drag assign.
- Save to "List" and value to save "New test of 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 shing and select the list.
- Drag the append items to collections. In the item give what you want to append.
- To display drag write line "shing.Join(", List)"

Assign	
Save To	Value to Save
List	New test of shing, from {"RPA LAB", "DS LAB", "C LAB"}

Append Items to collection	
Collection *	
List	
Item *	
1 item in collection	<input type="checkbox"/>

Write Line
Text *
shing.Join(", List)

Remove From collection	
Collection	
List	
Remove element	
<input checked="" type="radio"/> Specific item	
<input type="radio"/> By index	
<input type="radio"/> All items	
Item	
"DS LAB"	

WriteLine
Text
String.Join(" ", list)

output: RPA LAB CLAB DBMS LAB.

Dictionary:

- Drag the sequence and in that assign.
- In that save to "Dictvar" value to save "New Dictionary of Integer string" from {1, "A"}, {2, "B"}, {3, "C"}, {4, "D"}
- Drag for each in In "Dictvar" and Body Drag WriteLine "Current key value Pair of Number And Text. To string"
- click on Debug file

Sequence	:	^
Assign	:	^
Save To	value to save.	
Dictvar	New Dictionary of Integer string from {1, "A"}, {2, "B"}, {3, "C"}, {4, "D"}	
For each		
In		
Dictvar		
Body		
WriteLine	:	^
Text	Current key value Pair of Number And Text. To string	

output:

Message Box
{1, "A"}

From  
19/2/25

output:

message Box
{1, "A"}
<input type="button" value="OK"/>

message Box
{2, "B"}
<input type="button" value="OK"/>

message Box
{3, "C"}
<input type="button" value="OK"/>

*Summi*  
19/2/25



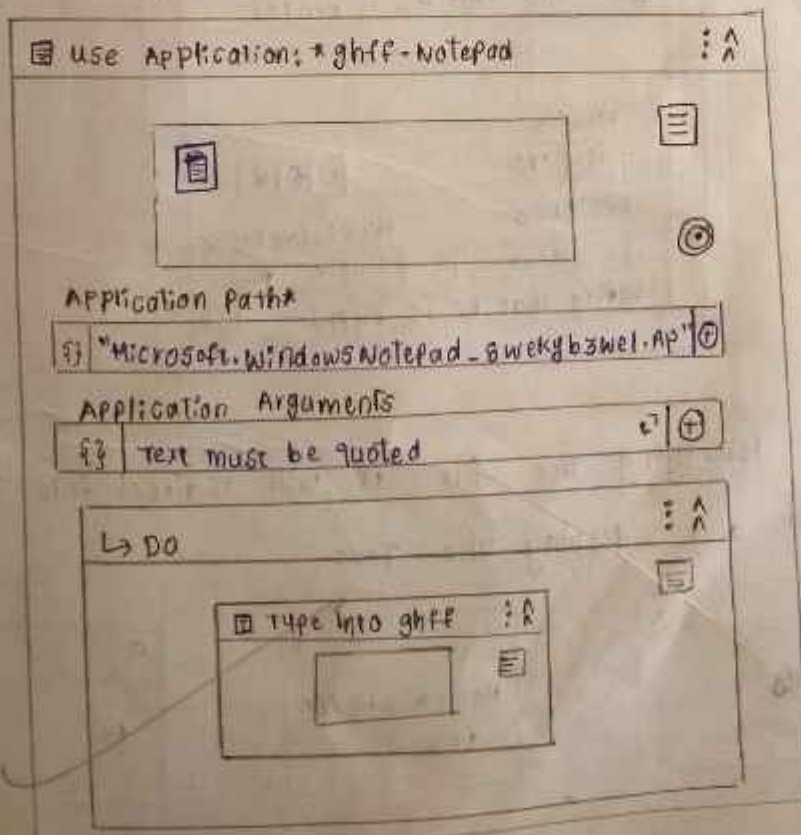
19/12/25

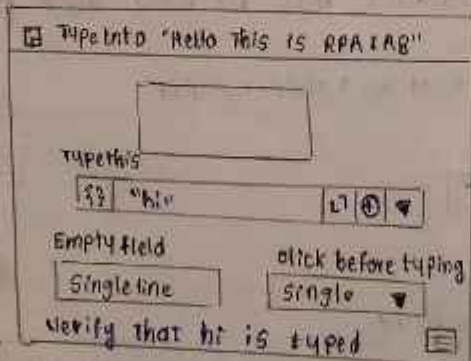
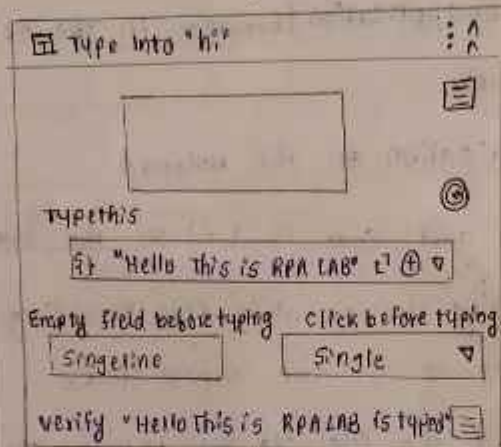
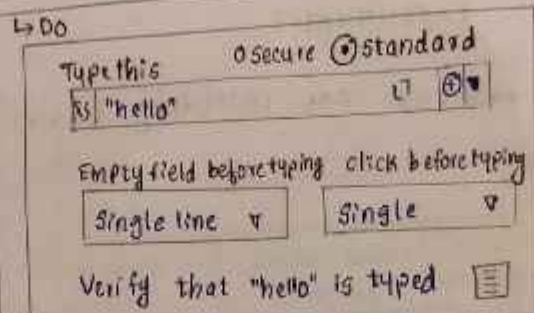
### Experiment-5

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

#### Basic recording

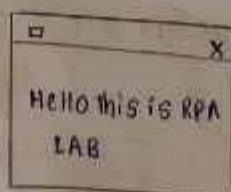
- open any application like Notepad/msword
- search for use application/Browser in the Activities Search Box on the left panel.
- click select application on the Notepad
- Type any text and save it [✓] on the bottom
- After performing the operation stop recording and save the file and debug it in the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





o/p:

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



AIM: perform automation

- open uipath studio
- Add a sequence
- click on API web

Sequence

chrome new

Browser url

"chrom

Do

Type

type

amaz

Empty

Single

keybo

send

Enter

Week - 5

19/02/25

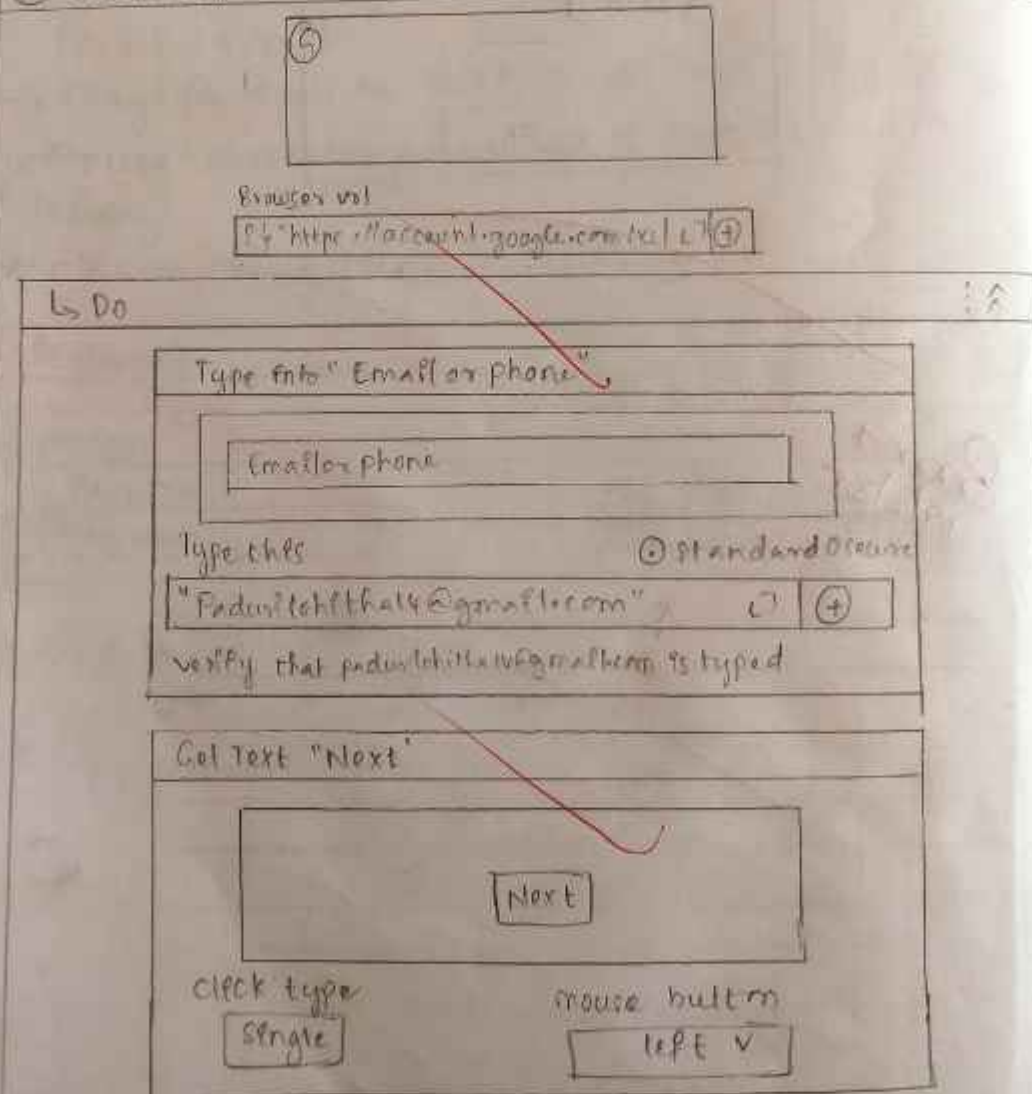
Aim: Design a process for recording - basic, desktop and web.

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

• Basic - recording:

web: Use Application / Browser

④ Use Browser Chrome: Gmail.





aloes  
top

Type into "INPUT"

Enter Password

Type this

☐ Standard ☐ Secure

xxxxxx

Verify that typed text is typed

click Div

click type

mouse button

click "A"

click type

mouse button

click 'Sign out'

click type

mouse button

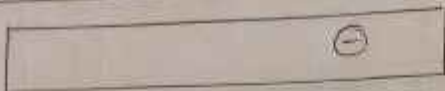
click "Remove an Account"

☐ Use another account  
☒ Remove an account

click type

mouse button


click "recon"



click type      mouse button

single v      Left v

click DTV



click type      mouse button


single v      Left v

#### Output:

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

#### Basic recording:

Use Application: explorer.exe

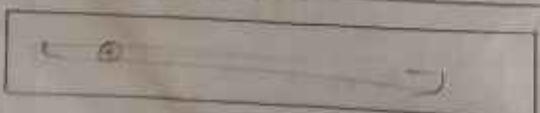


Application path:

c:\windows\explorer.exe.

↳ DO

click the title bar



click type      mouse button

single v      Left v

#### output:

- it will open file

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

- open vpath studio and create a new process
- search for wikipedia in chrome
- search for use Application/ Browser in vpath
- click on Indicate Application, it will redirect to chrome and select that wikipedia Browser
- in DO column search for TypeInto → indicate in use App/Browser 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 get text and go to chrome select the text and select strict selector, remove fuzzy selector
- save as ext.txt (any name) in the save to 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



## Experiment-6.

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

Screen scraping:

① chrome wikipedia

Browser url

Robot http://www.wikipedia.org/

↳ DO

① Type into 'Search'

Type this

Robot "Robotic Process Automation"

Empty field before typing

Single line ✓

Standard Secure

Robot ✓

click before typing

Single ✓

② click 'input' SearchInput

click type

Single ✓

mouse button

left ✓

③ Get Text 'Robotic Process - en'

Save to

Robot Ext- Txt

output:

→ Go to project

Data scraping

Browser

Browser url

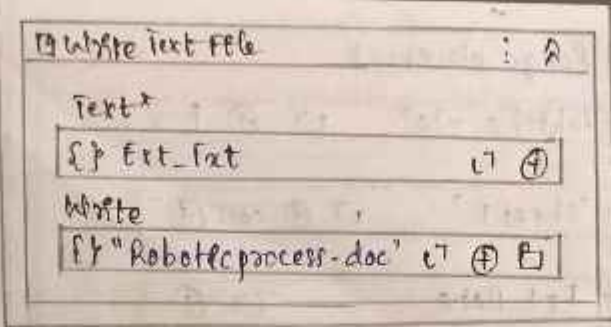
Robot https://b

↳ DO

Ext

Ext

Robot

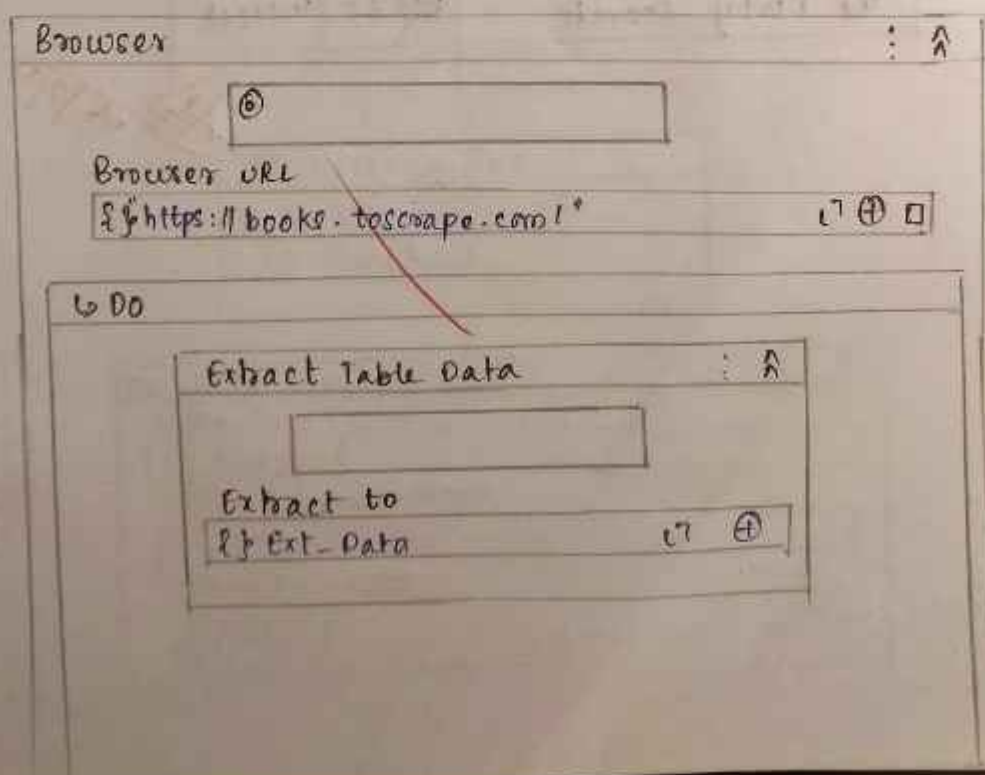


output:

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

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

Data scraping:



### Write Range Workbook

{f} "lohittha.xls" c7 ⊕ B

{f} "sheet1" c7 ⊕ cell ⊕

{f} Ext. Data c7 ⊕

### output:

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

Book name	Price	Availabilty
A light en the Attec	\$51.77	Instock
Tepping the velvet	\$52.74	Instock
Soumleson	\$50.10	Instock
sharp objects	\$47.82	Instock
The requlemen Red	\$54.23	Instock
The Dirty secrets	\$92.85	Instock

~~22/2/20~~

### Design a process

#### Sequence

Read  
Read  
{f} c  
Output  
{f} ou  
H

Write  
write  
{f} o  
write  
{f} "  
How  
Write  
Inc

Write  
write  
{f} out  
write  
{f} "  
How  
Appar  
Inc

Write  
write  
{f} out  
write  
{f} "  
How  
Appar  
Inc



Week-7

Date

Aim: Perform automation for customizing selectors.

Steps:

1. open ulpath 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/"

↳ DO

Type into "editable text" address

Type this

@ standard @ secure

amazon.in

Empty field before typing.

click before typing.

Single line/line

Single

Keyboard shortcuts

Send Key combination.

Enter

Type Info "INPUT twotabsearch"

Type this-

"mobiler"

Empty field before typing click before typing

Single line v

Single

keyboard shortcut

Send key combination

Drawn

Enter v

Hover "prime"

Prime v

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'

*Adm* 12/3/21

- create a process
- Go to chrome
  - Logon with admin, license
  - copy the AP
  - Now open u
  - select use
  - goto chrome
  - click on go
  - chrome, click
  - in Misc. proper
  - click on go
  - output → Text
  - In message
  - created.

⑤ Browser

Browser

\*https://u

1000

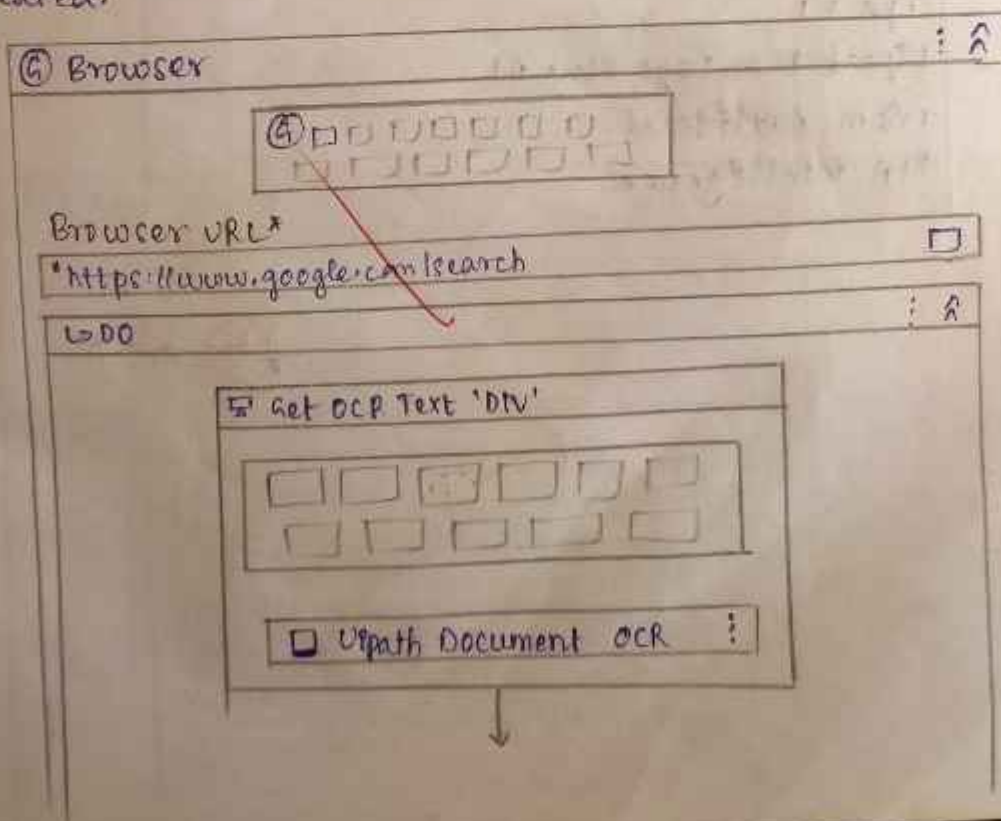


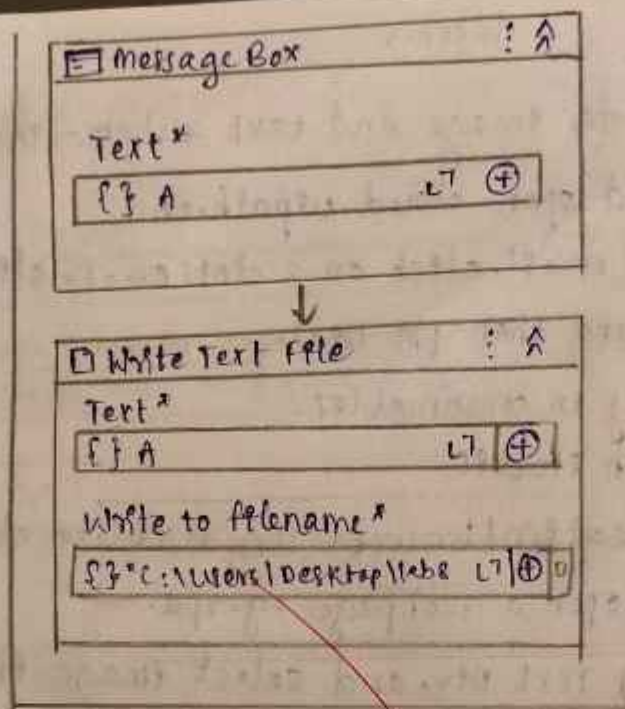
Week 5

19/03/25

create a process for image and text automation.

- Go to chrome and open cloud.uspath.com
- Logon with your email, click on 3 dots (...), click on admin, licenses, and then pro-trial
- copy the API key in consumables.
- Now open uspath studio.
- select use application/browser then indicate element  
go to chrome and open a webpage eg. rpa.
- click on Get OCR Text Div, and select image in chrome, click on uspath 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?scd-esv=qdies15fr12=  
 1C1CHBD-en-GBEN1021EN1021fq=spafudm=a:  
 &fb=ABZOT-cwddbQUPIF  
 Browser Automation you.  
 rpa x L  
 Vipath Icon Logo Blue AI  
 Prism Artificial.  
 RPA Intelligence

*Handwritten signature* 15/3/20

Item: Perform

- open excel
- and email
- save the
- open upla

For each

↳ Body.

# Experiment-9.

Date

Design a process for automating Data tables in Excel.

## Sequence

☒ Read csv

Read from file

{f} c:\users\desktop\lab 9.csv

Output to

{f} output1

☒ Has headers

☒ write csv

write from

{f} output1

write to what file

{f} "sports1.csv"

How to write

Write

☒ Include headers

☒ output Data Table as Text

Data Table

output1

☒ message Box

Text

{f} stroutput

☒ write csv

write from

{f} output1

write to what file

{f} "sports1.csv"

How to write

Append

☒ Include headers



output:

messageBox	X
Sky, Air temp, Humidity, wind	
Sunny, warm, normal, strong, warm	
Sunny, warm, High, strong	
Rainy, cold, High, strong	

OK

→ Go to projects to File explorer → Sports1.csv

Arm: Design a  
a folder and

☒ For Each File in F

For Each

Current File  
In folder \*

{ } "c:\user\

☐ Include sub

☐ Skip folder

Filter by:

Order by:

↳ Do

☒ A

Text

{ }

☒ E

P

{ }

☒ E

{ }

Week-10

Date

Task: Perform email automation.

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

Read Range Workbook	:	^
{ } "data.xlsx"	⌵	⊕
{ } "sheet1"	⌵	⊕

Output Datatable as Text	:	^
Data Table *		
{ } maildata	⌵	⊕

Message Box	:	^
Text *		
{ } mail	⌵	⊕

For each row in data table	:	^
Data Table *		
{ } maildata	⌵	⊕
Item name		
CurrentRow		

↳ Body.	:	^
Get Row Item	:	^
Row *		
{ } CurrentRow	⌵	⊕
column* @Number @Name		
{ } 0	⌵	⊕
value		
{ } userName		⊕

GetRow Item	:	↑
Row *		
{ } Current Row	L7	⊕
column @Name		
'EmailId'	L7	⊕
value		
mid	L7	⊕



(x) Assign	:	↑
Save to		
EmailId value	=	value to save
		newString()@mid



(x) Assign	:	↑
mailbody		
		"Hello" + user Name



Send Email	
Gmail	
2201aorus@cmrllthydorabad.edu.in	
Save as Draft	
OTime @False	
To *	
mailId value	⊕
Subject	
"Hello"	
Body	
mailbody	⊕
Attachments	

output:

Name,  
Loheth  
Loheth  
Loheth  
Noor  
mou



output:

Name, email ids

lohettha, padumlohettha14@gmail.com

lohettha1, padumlohettha@gmail.com

lohettha2, 22101a0545@cmritHyderabad.  
edu.in

Nooreen, 22101a0544@cmritHyderabad.  
edu.in

mouni, 22101a0546@cmritHyderabad.  
edu.in

~~Adm~~ 26/3/21

## Experiment - 11 Date

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

☐ For Each File in Folder

For Each

Current File

In Folder \*

{ } "C:\user\student\Doc\Path\Exp11"

☐ Include subfolders

☐ Skip folders where access is denied.

Filter by: ".pdf"

Order by: Name ascending first ✓

↳ Do

☐ Message Box

Text \*

{ } Current File.FullName

☐ Extract PDF Text

PDF File \*

{ } LocalResources.FromPath

(Current File.FullName)

☐ Message Box

{ } extpdf

19 Write TextFile

Text \*

{ } "extpdf"

WriteToFile name \*

{ } "extpdf.doc"

Output:

Message Box

C:\users\student\doc\uspath\pdf  
automation\IPA.pdf

OK

Adm

Atm: C  
color

Use



## Experiment - 12.

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

Use Excel File

Excel File

"matlematl.xls/x"

Reference As

Excel

☒ Save changes

☒ Create if not exists

☒ Read Formatting

Same as project ☐

☐ Template file

Do

GetRangeColor

Color \*

System.Drawing.Color.DarkOrange

Range \*

"A1:A9"

SheetName \*

"sheet1"

output:

	A	B	C
1			
2			
3			
4			
5			
6			
7			



Alm: Design  
send this re

Ge
In
S
o
D
\$

On
Da
\$ P

M
T
St

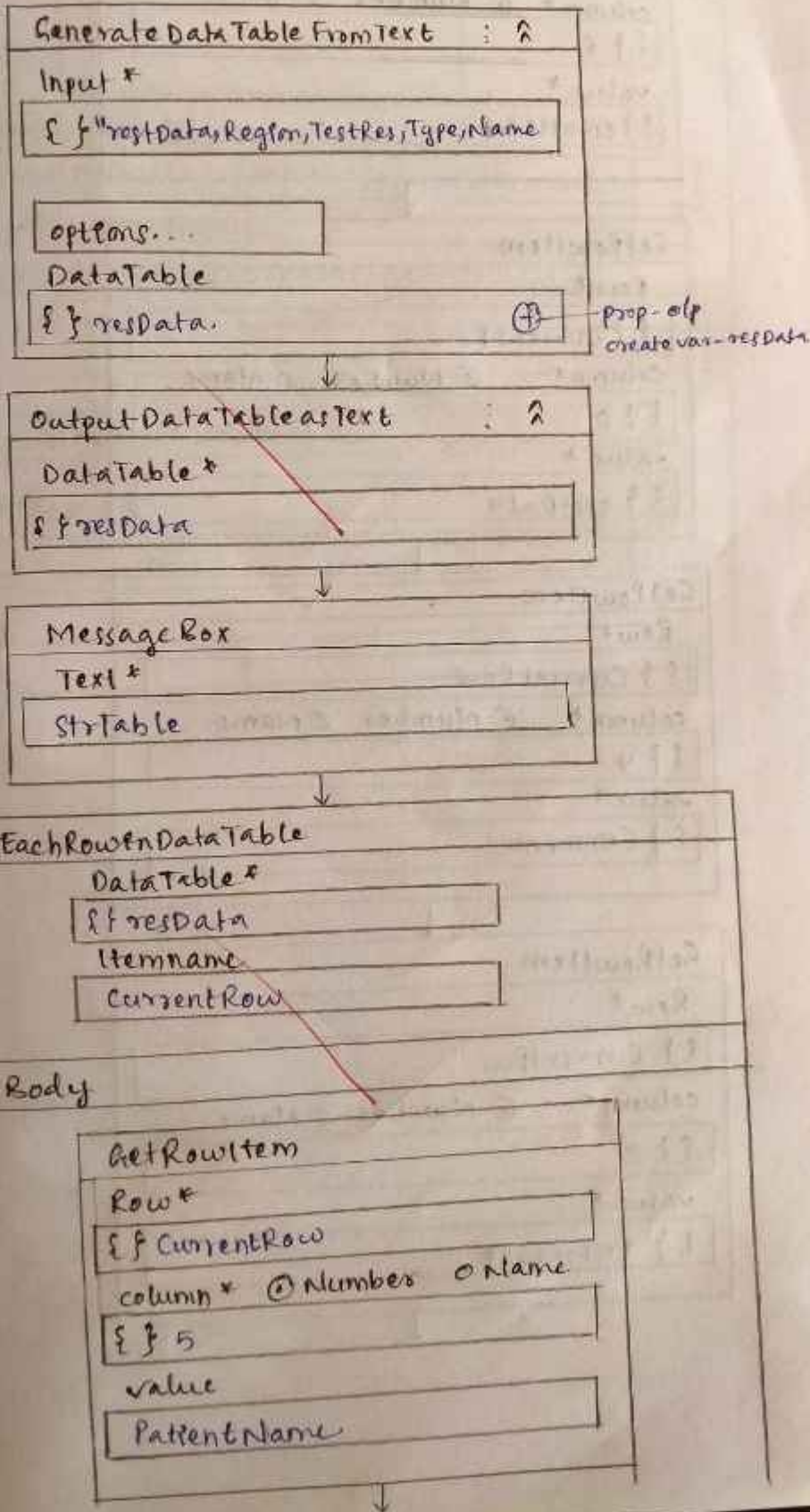
ForEachR

↳ Body

### Experiment - 13.

*Date*

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





GetRowItem

Row\*

{ } CurrentRow

column\* @ Number @ Name

{ } 6

value\*

{ } emaildata



GetRowItem

Row\*

{ } CurrentRow

column\* @ Number @ Name

{ } 0

value\*

{ } testData



GetRowItem

Row\*

{ } CurrentRow

column\* @ Number @ Name

{ } 4

value\*

{ } Comments



GetRowItem

Row\*

{ } CurrentRow

column\* @ Number @ Name

{ } 2

value\*

{ } testresult



new-wordC

Application

c:/program

Application

c:/users/d

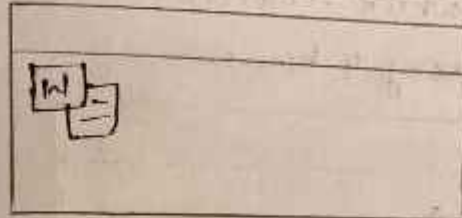
↳ Do

{ } wordf

Filep

{ } "no

new-word(Product Activation Failed)



Application path \*

C:/programfiles/Msoffice/office16/word.

Application arguments:

C:/users/document/ulpath/blankprocess

↳ Do

word Application scope

filepath \*

if "new.docx"



Goal: create a process which reminds a user to take  
his medicine after every 4 hours. Date

Delay
Duration <sup>1</sup>
5 h 00h 00m 02.00s

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

// comment out	
↳ Ignored activities	
(x) Assign	
Save to	value to save
emailAddress	Newshing(05"?)



to take

//comment out

↳ Ignored Activities

Send Email

Gmail

DefaultGmailAccount@gmail.com

Save as draft ☐ True ☒ False

To

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