

Deccan Education Society's
Navinchandra Mehta Institute of
Technology and Development

C E R T I F I C A T E

This is to certify that Ms. **Tejas Vikas Bandbe** of M.C.A. Semester II with Roll No. **C23019** has completed all practicals of **Robotic Process Automation Lab** under supervision of **Dr.RasikaMallya** in this college during the year 2023-2025.

| CO | R1 (Attendance) | R2 (Performance during lab session) | R3 (Innovation in problem solving technique) | R4 (Mock Viva) | R5 (Variation in implementation of learnt topics on projects) |
|-----|--------------------|--|---|-------------------|--|
| CO1 | | | | | |
| CO2 | | | | | |
| CO3 | | | | | |
| CO4 | | | | | |

Practical-in-charge

Head of Department
MCA Department
(NMITD)

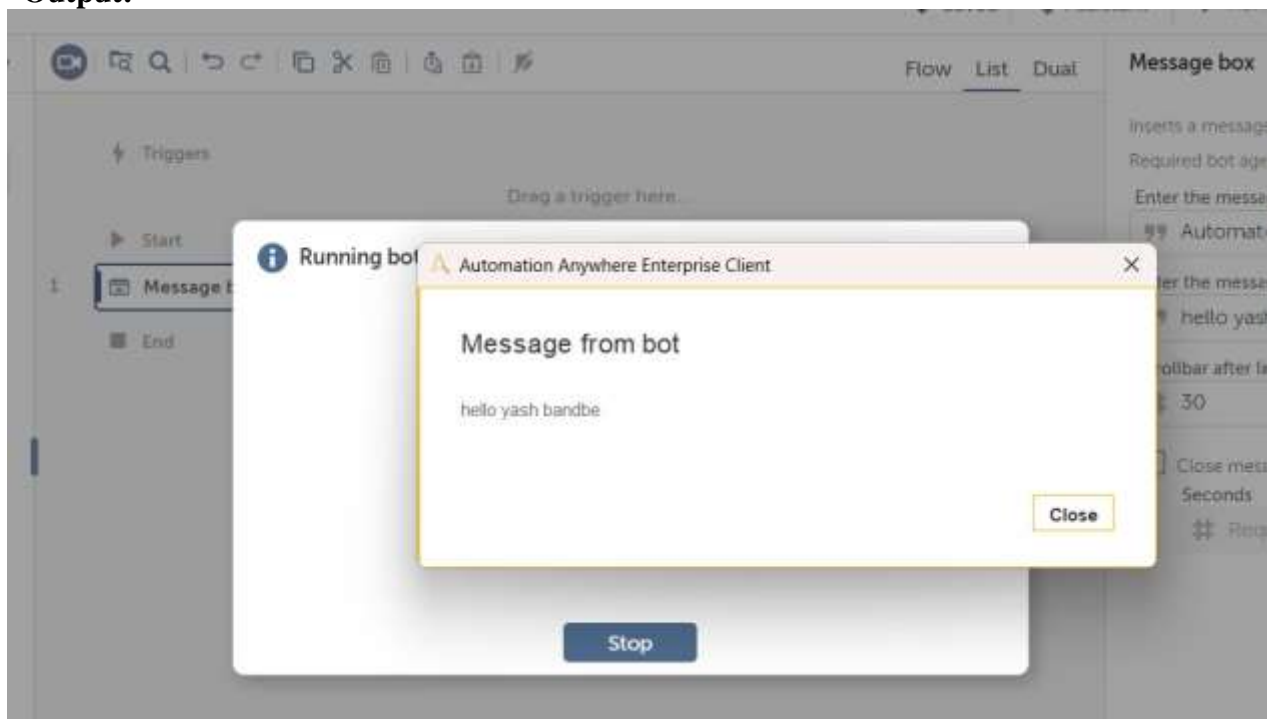
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MCALE233: Robotic Process Automation

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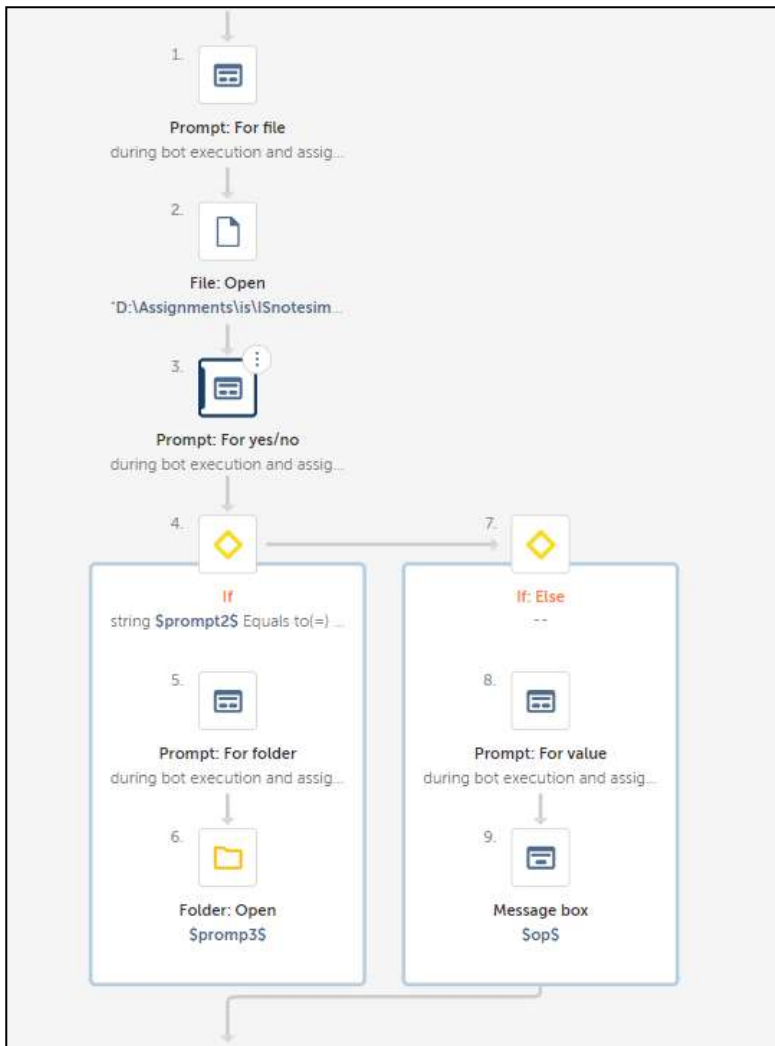
| | | |
|----|---|------------|
| 27 | AA: Design and create a bot to automate tasks of: A. Reading emails from inbox and displaying their Subject and Message B. Sending a mail C. Replying to unread mail from mail inbox | 9/05/2024 |
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| 43 | AA: Write a bot to demonstrate screen scraping using i. extract field ii. extract text iii. extract image | 17/05/2024 |
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| 45 | UIPath: Write a bot to convert PDF file into TXT file | 17/05/2024 |
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| 48 | AA: Write a bot to scrape data from a web table and store it in a file. | 15/05/2024 |

| | | |
|-----------|---|------------|
| 49 | AA: Write a bot to get a trigger fired when a file is created in a folder. Note: Create a task bot that will get triggered on file creation and will display the message "File is created" | 15/05/2024 |
|-----------|---|------------|

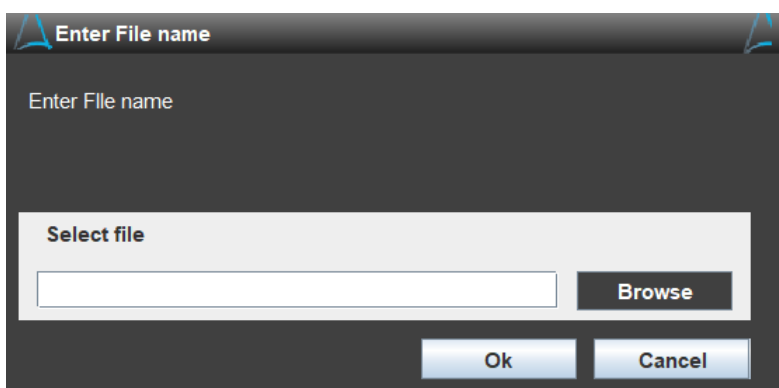
Category 1:**1. AA: Demonstrate messagebox****Screenshot of Bot:****Output:**

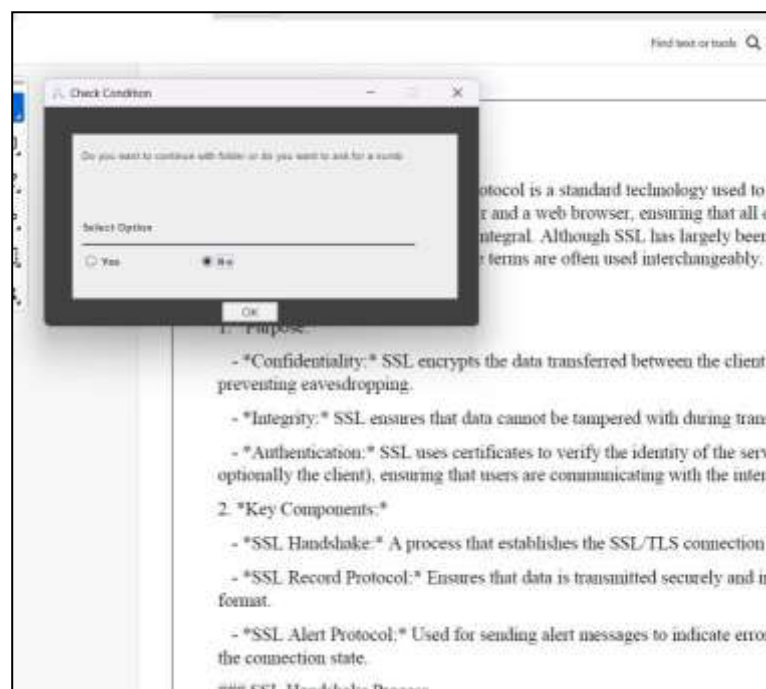
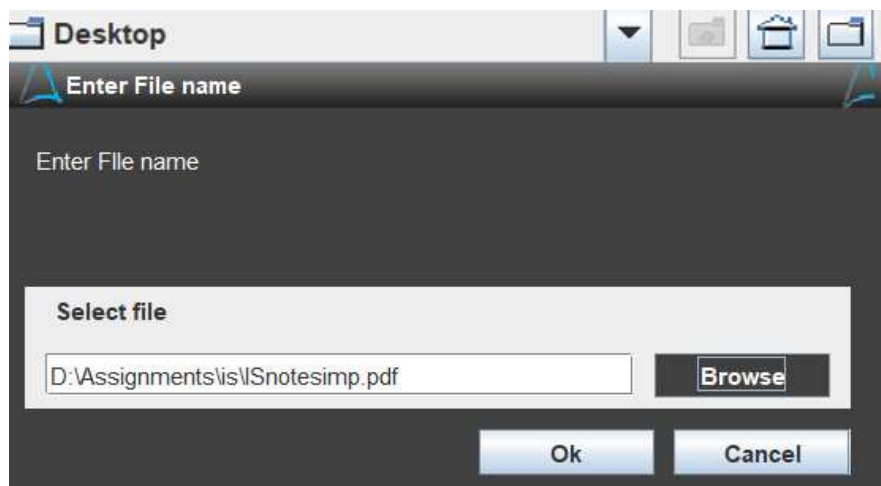
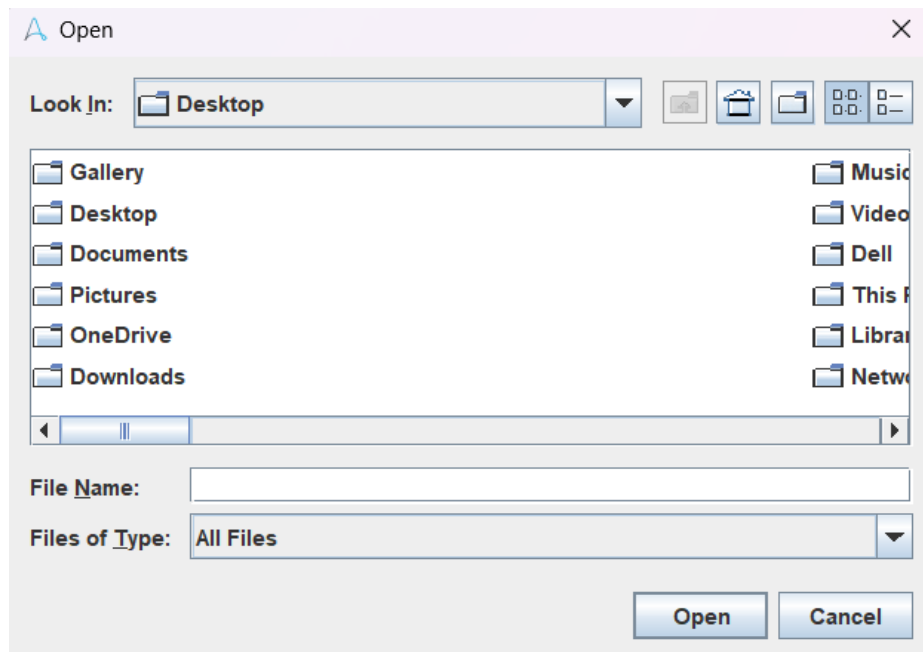
2. AA: Demonstrate prompts

Screenshot of Bot:

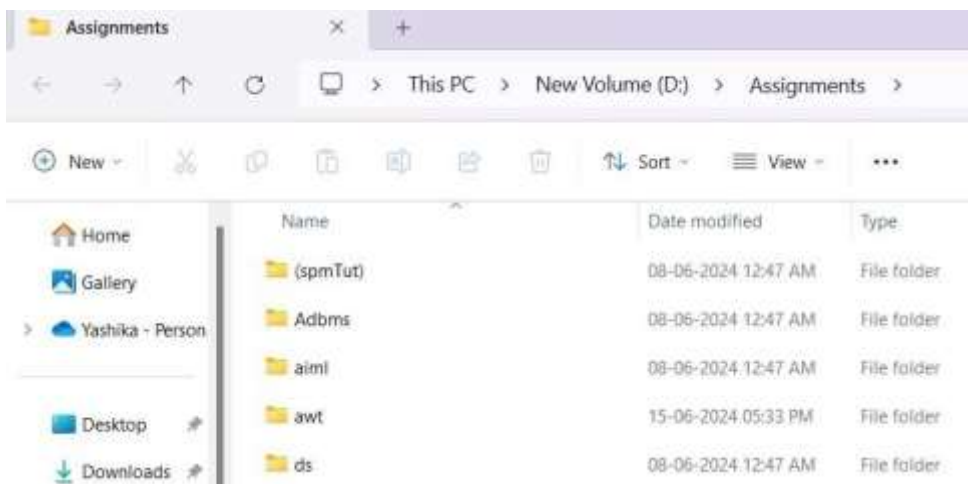
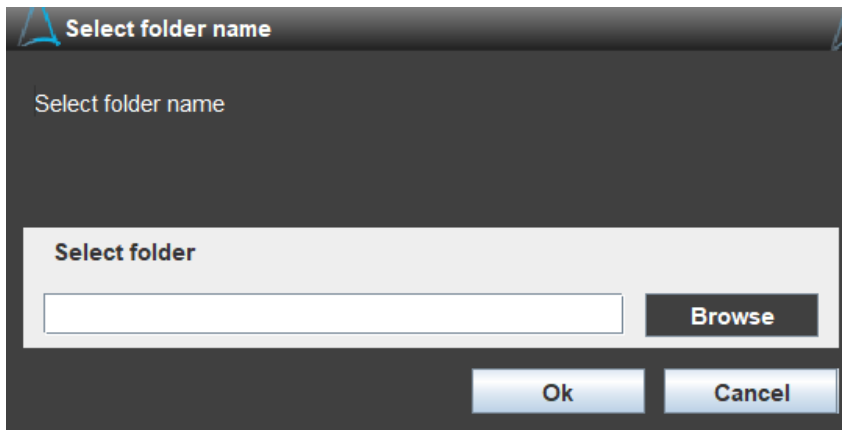


Output:

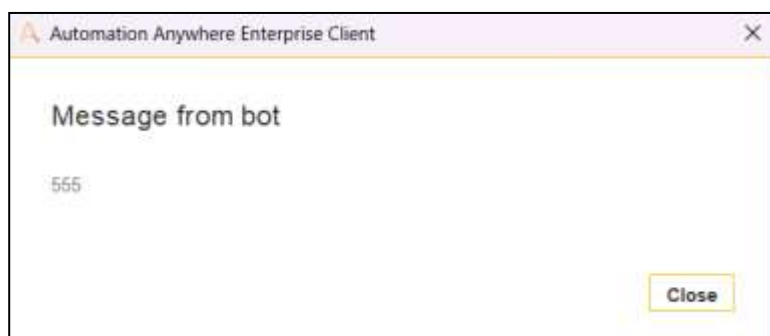
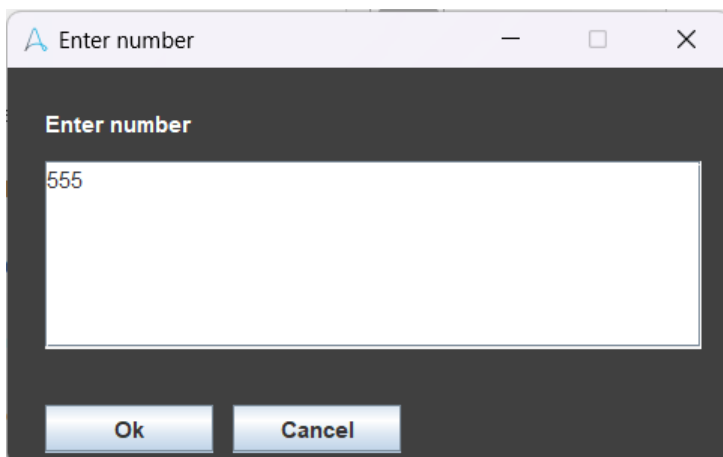




If yes:

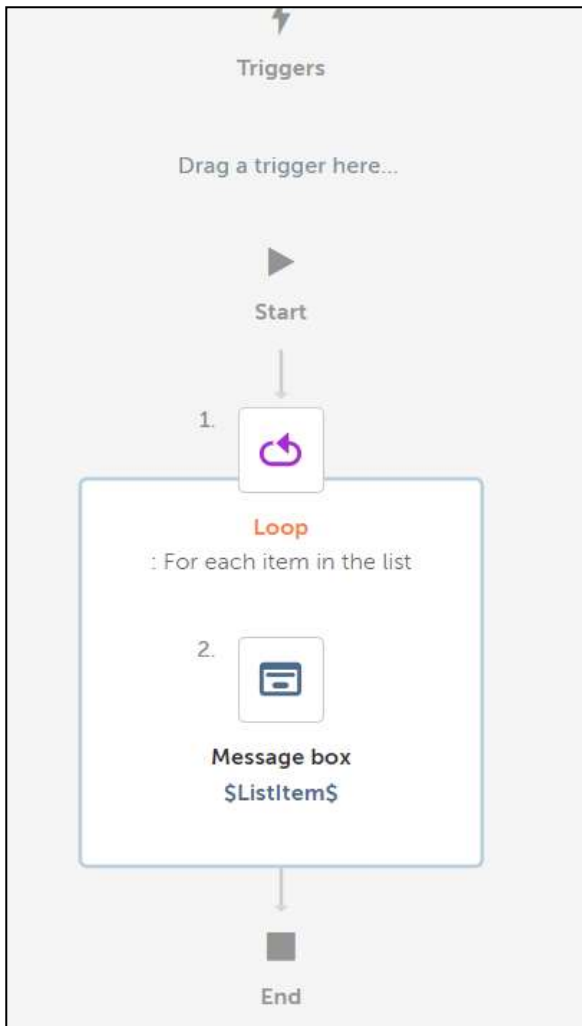


If no:

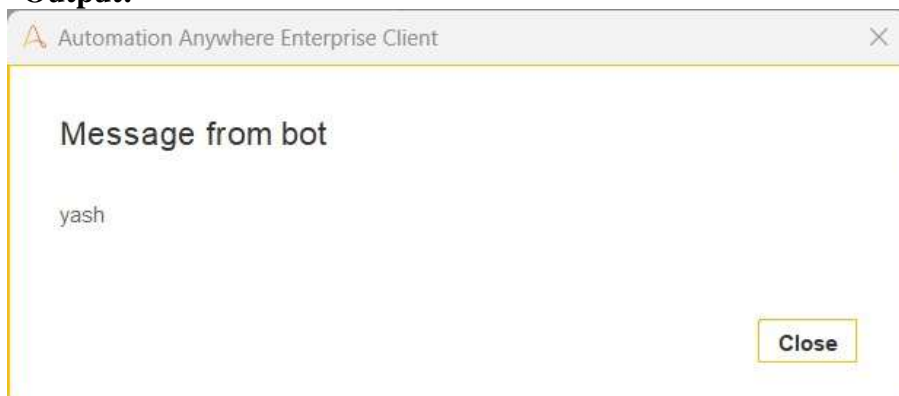


3. AA: Demonstrate list variables

Screenshot of Bot:



Output:

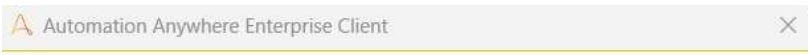




Message from bot

tejas

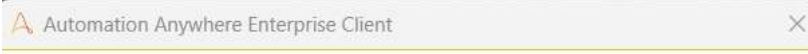
Close



Message from bot

shubham

Close



Message from bot

sid

Close



Message from bot

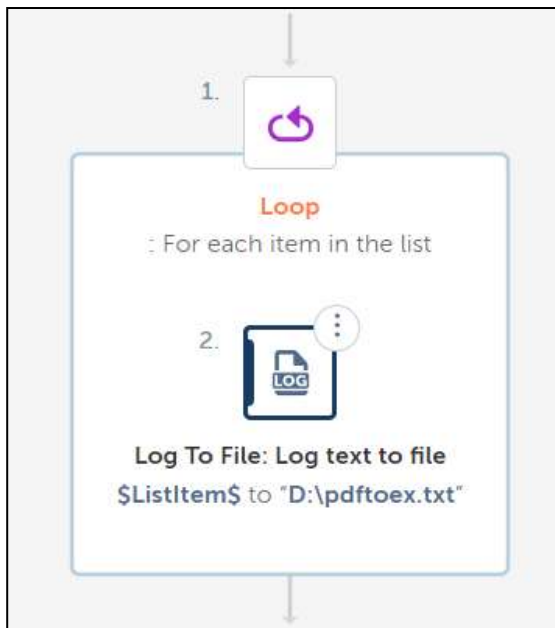
mayur

Close

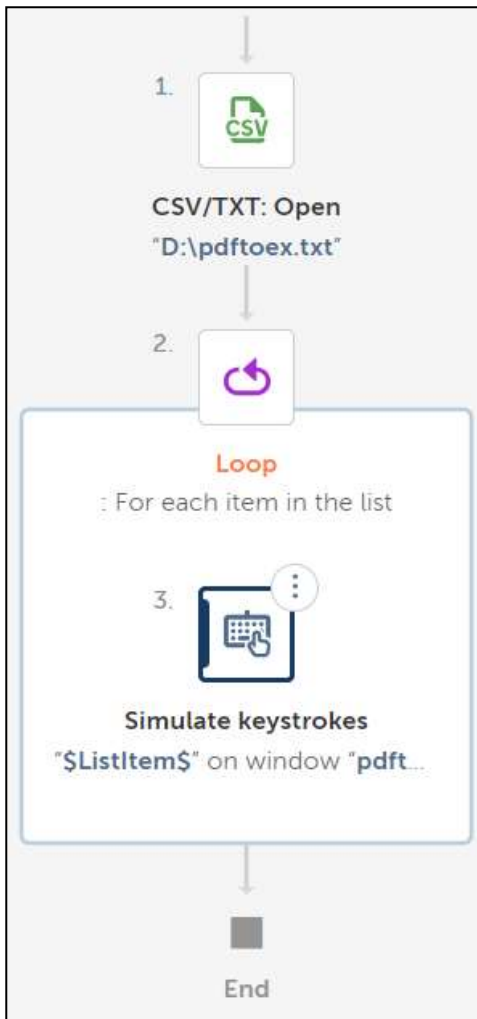
4. AA: Demonstrate logfile and keystroke

Logfile:

Screenshot of Bot:



Output:

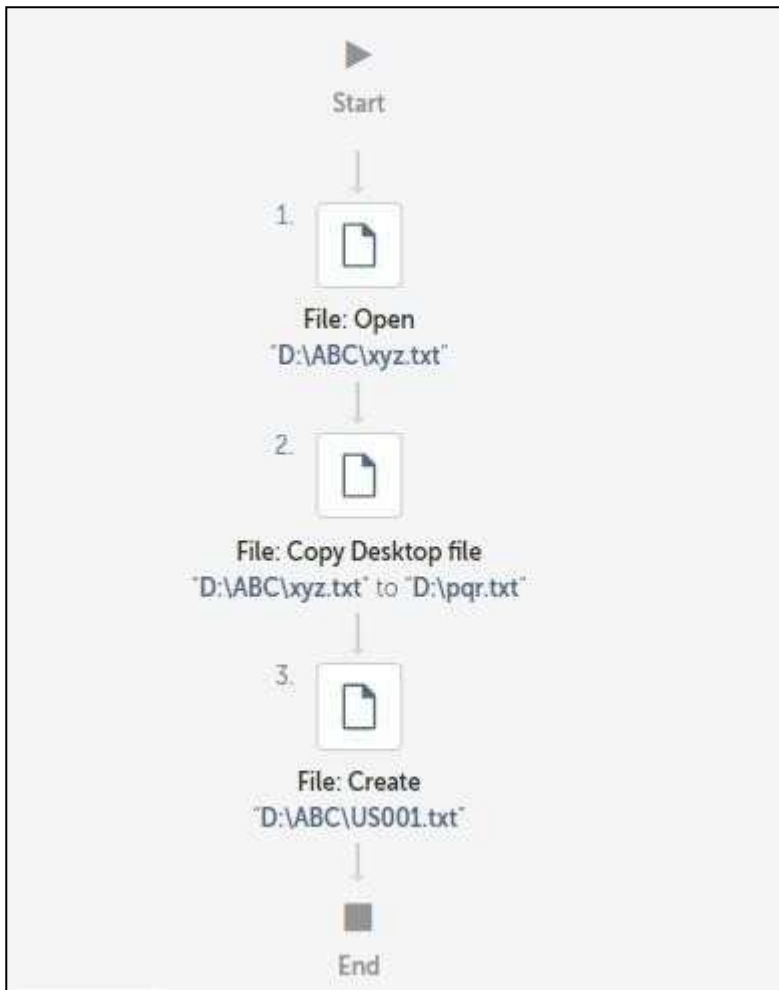
Keystroke:**Screenshot of Bot:****Output:**

```
yash tejas shubham sid mayur
```

The screenshot shows a terminal window with the output of the bot's keystroke simulation. The text "yash tejas shubham sid mayur" is displayed in the terminal.

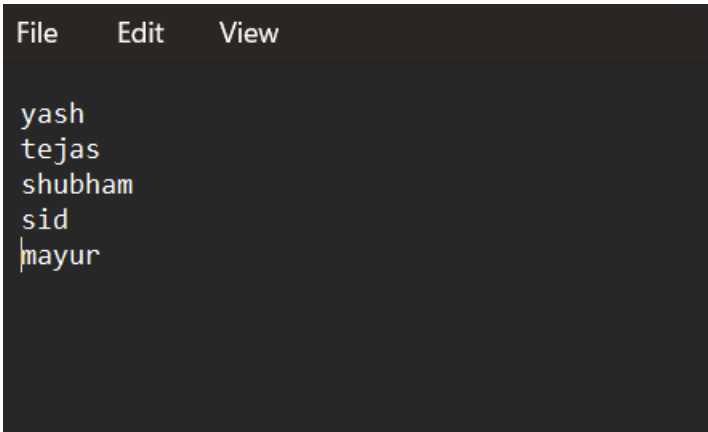
5. File Operations- Demonstrate commands Open, copy, zip, create

Screenshot of Bot:

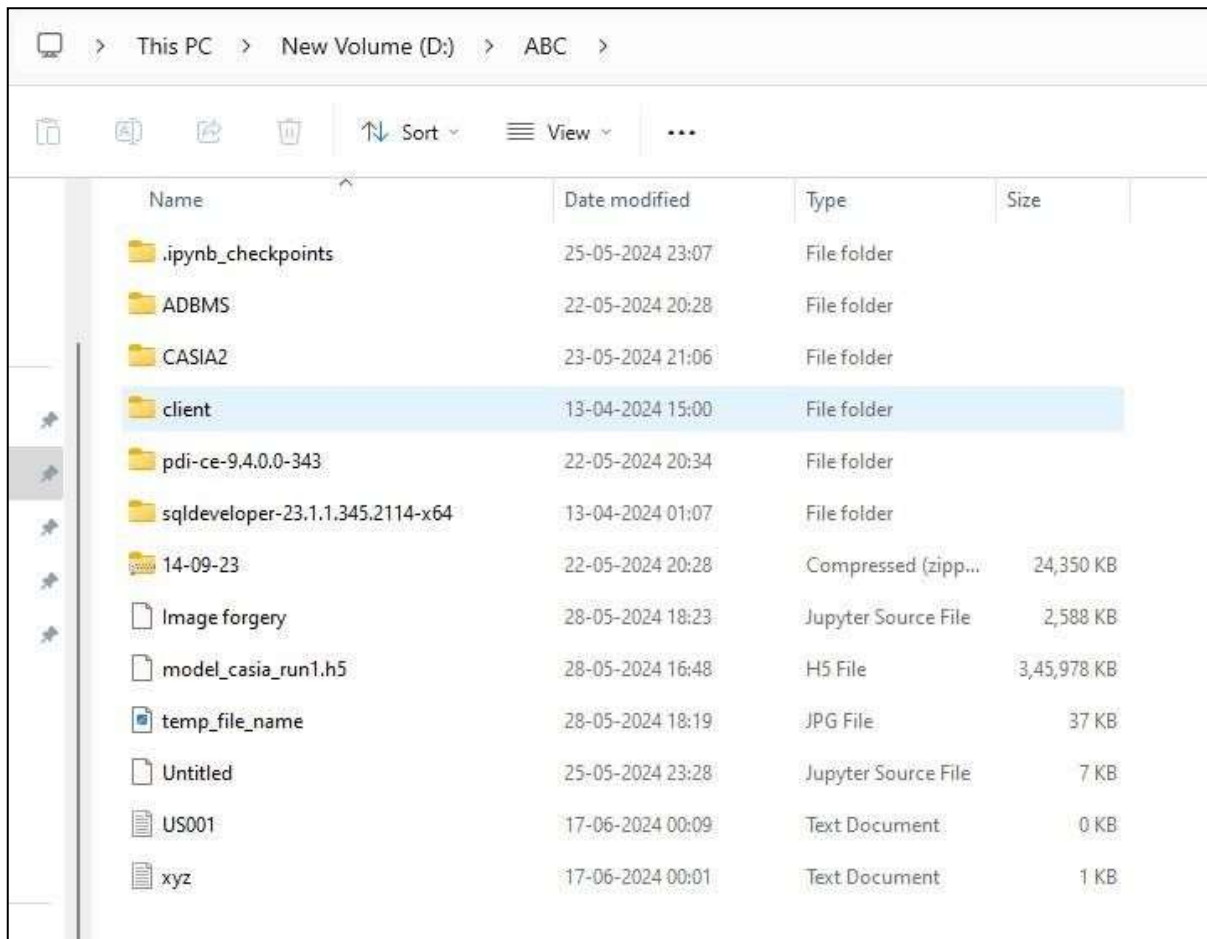


Output:

```
File Edit View
yash
tejas
shubham
sid
mayur
```



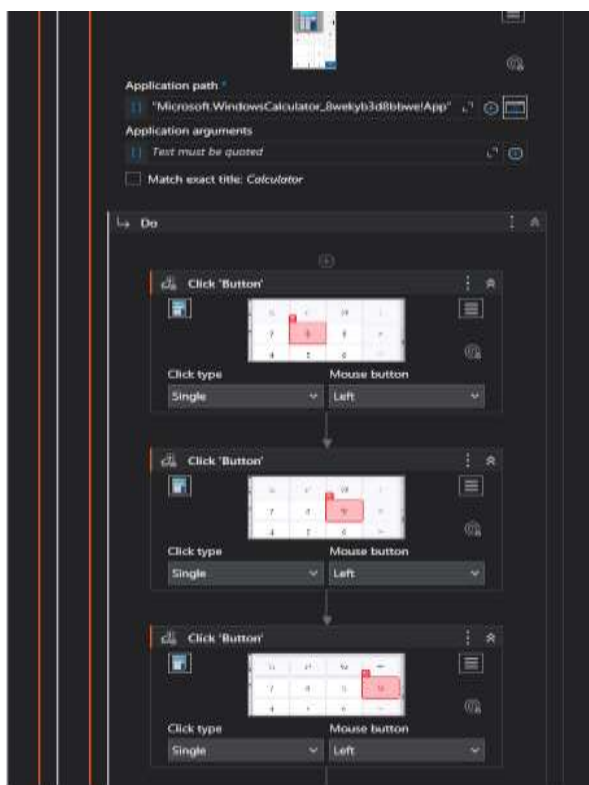
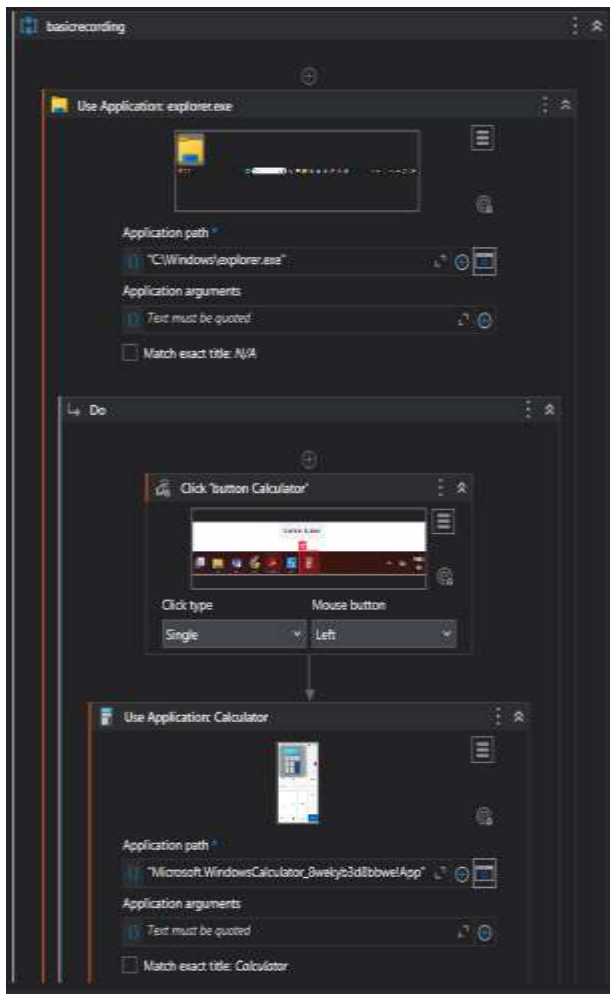
```
File Edit View
yash
tejas
shubham
sid
mayur
```

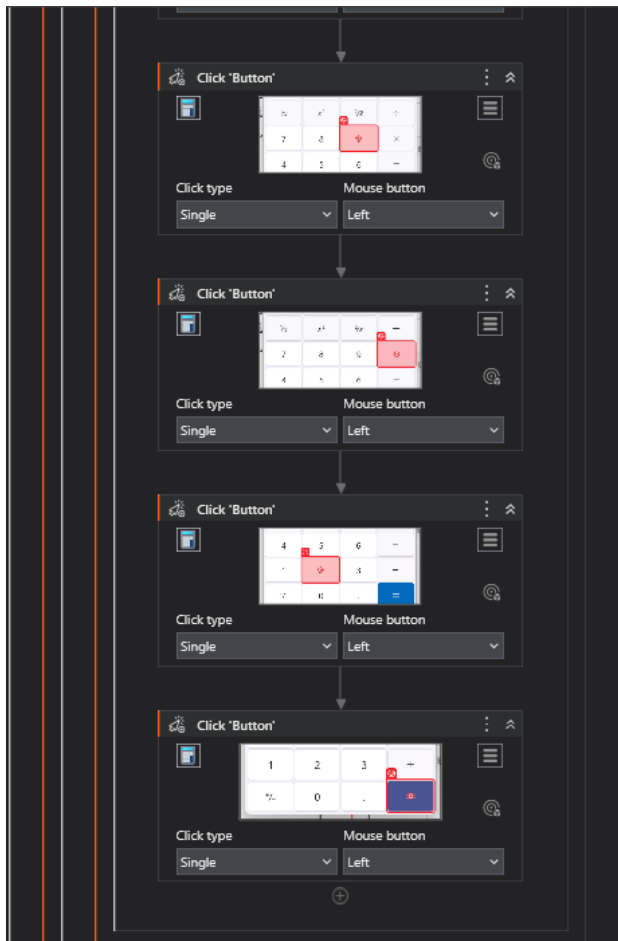


| Name | Date modified | Type | Size |
|----------------------------------|------------------|---------------------|-------------|
| .ipynb_checkpoints | 25-05-2024 23:07 | File folder | |
| ADBMS | 22-05-2024 20:28 | File folder | |
| CASIA2 | 23-05-2024 21:06 | File folder | |
| client | 13-04-2024 15:00 | File folder | |
| pdi-ce-9.4.0.0-343 | 22-05-2024 20:34 | File folder | |
| sqldeveloper-23.1.1.345.2114-x64 | 13-04-2024 01:07 | File folder | |
| 14-09-23 | 22-05-2024 20:28 | Compressed (zipp... | 24,350 KB |
| Image forgery | 28-05-2024 18:23 | Jupyter Source File | 2,588 KB |
| model_casia_run1.h5 | 28-05-2024 16:48 | H5 File | 3,45,978 KB |
| temp_file_name | 28-05-2024 18:19 | JPG File | 37 KB |
| Untitled | 25-05-2024 23:28 | Jupyter Source File | 7 KB |
| US001 | 17-06-2024 00:09 | Text Document | 0 KB |
| xyz | 17-06-2024 00:01 | Text Document | 1 KB |

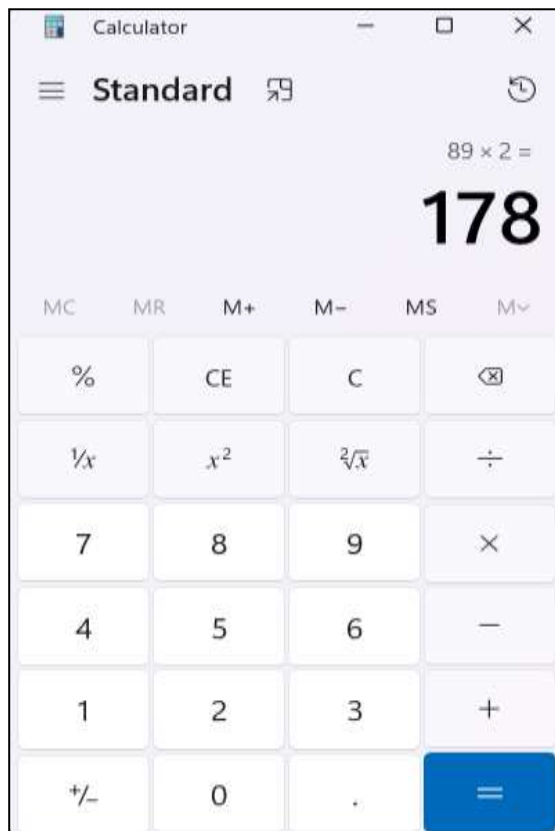
6. UIPath: Demonstrate basic recording in the bot

Screenshot of Bot:



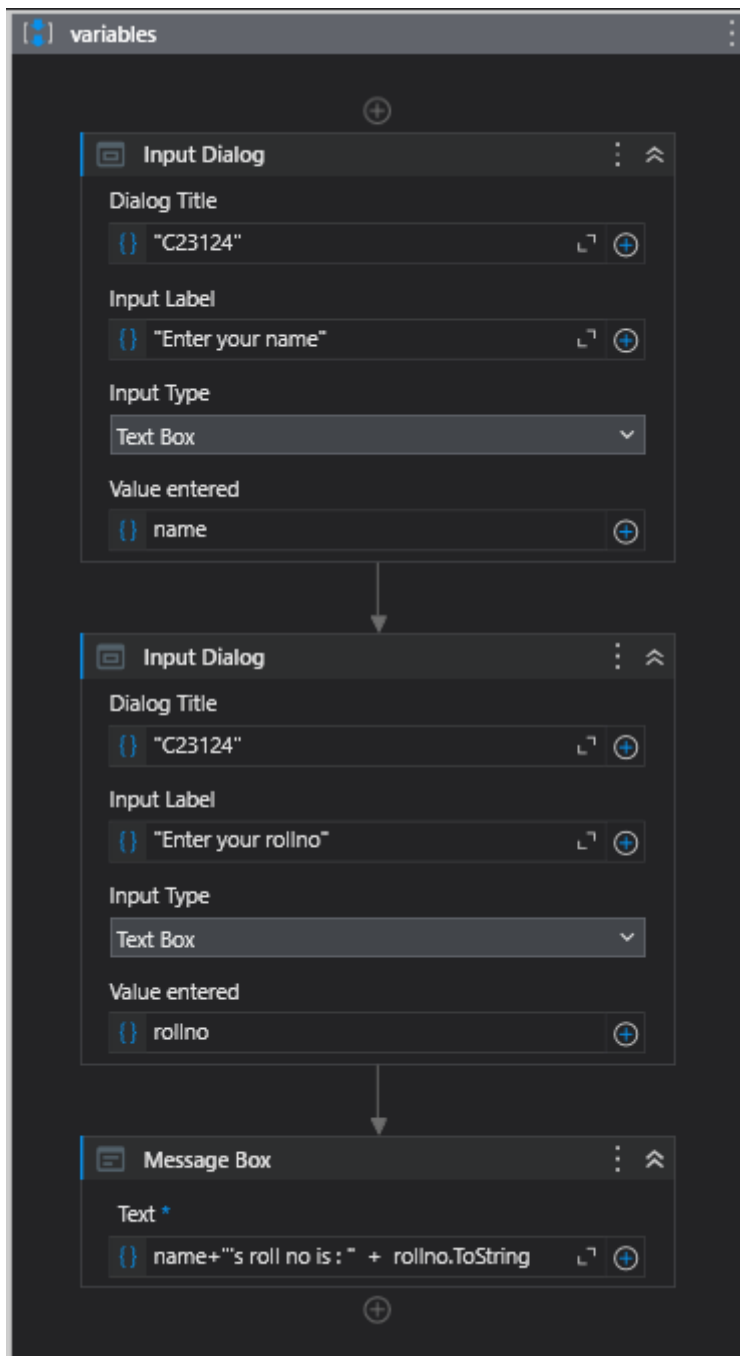


Output:

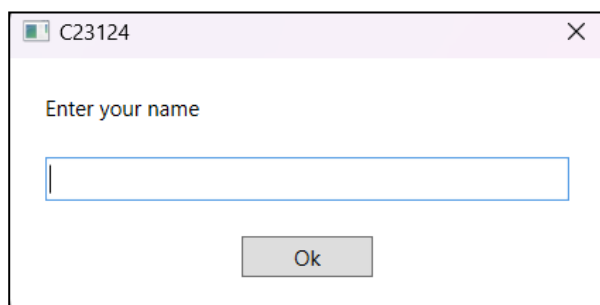


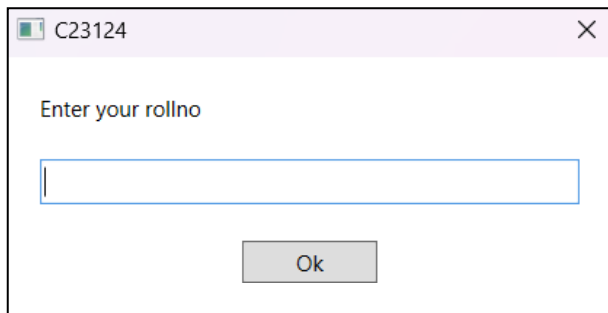
7. UiPath: Demonstrate declaration and use of int and string variables

Screenshot of Bot:



Output:

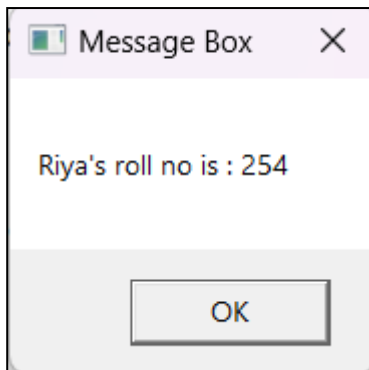




C23124

Enter your rollno

Ok



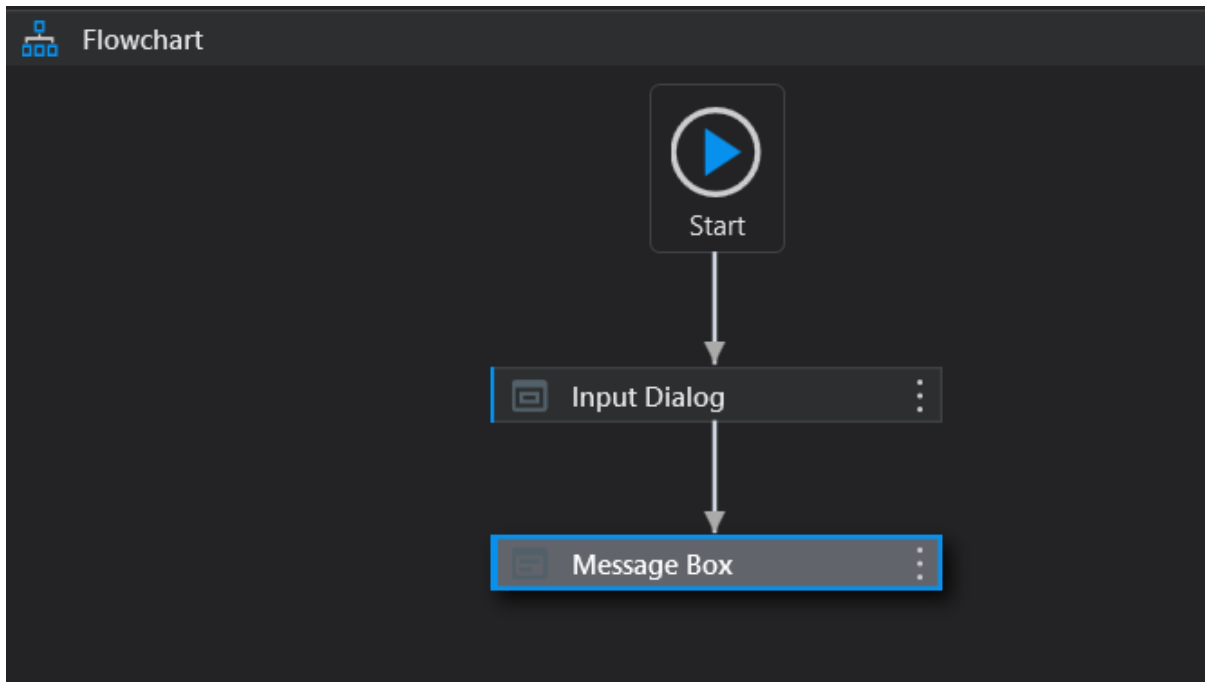
Message Box

Riya's roll no is : 254

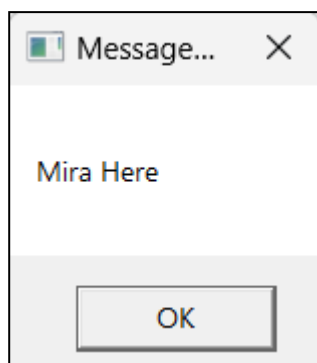
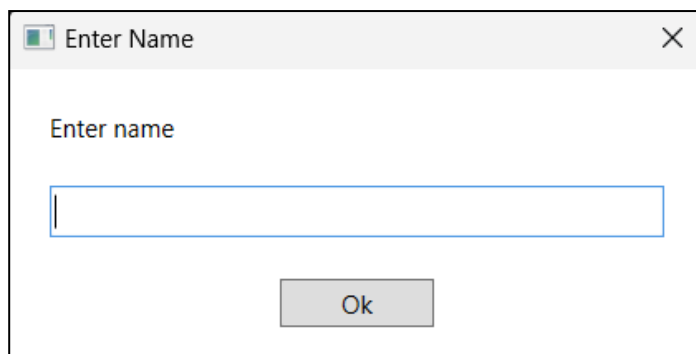
OK

8. UIPath: Demonstrate flowchart

Screenshot of Bot:

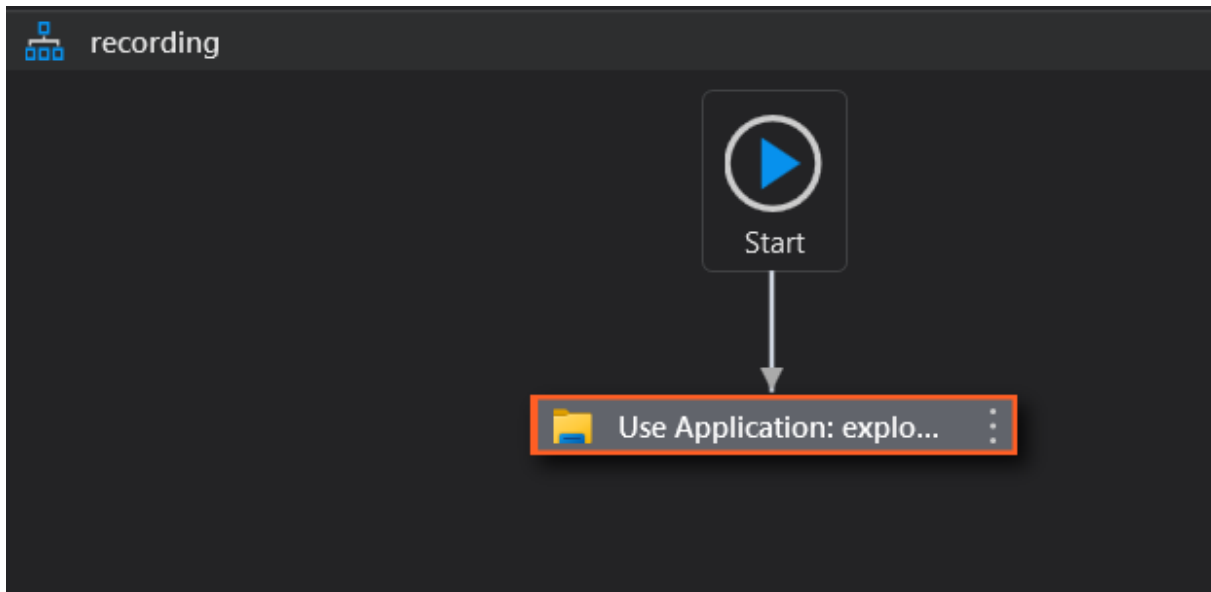


Output:

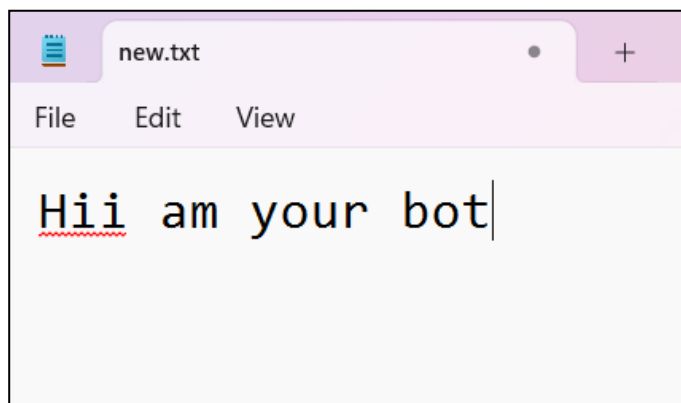


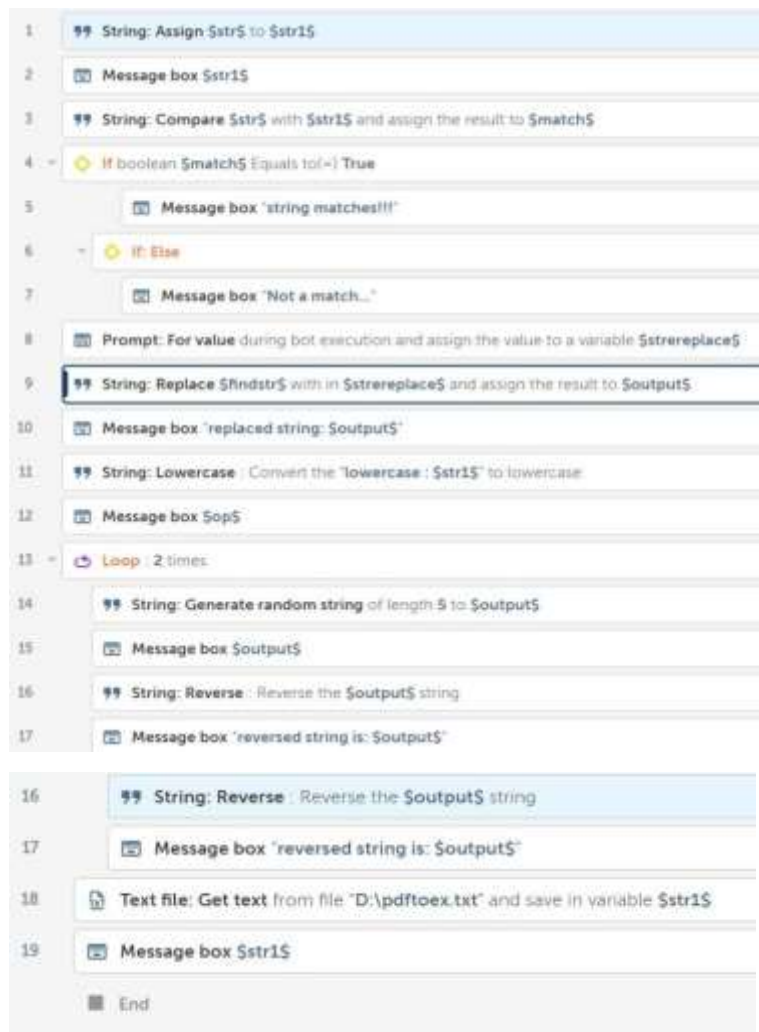
Flowchart with recording

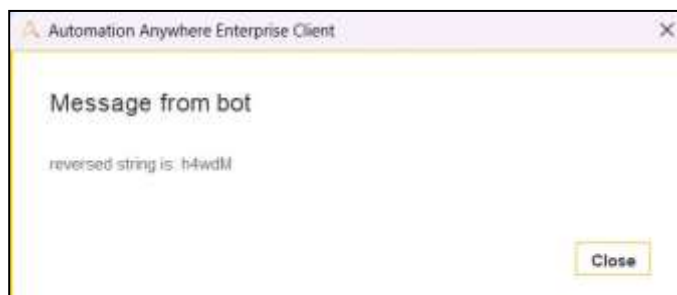
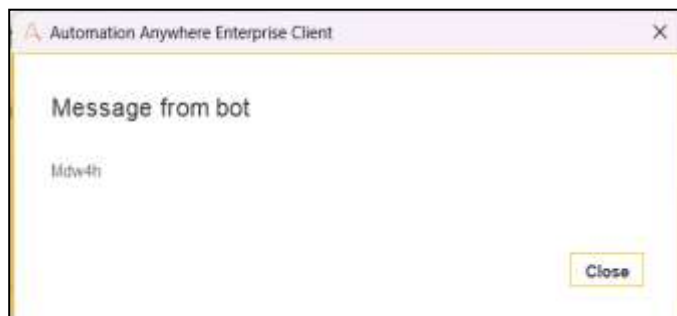
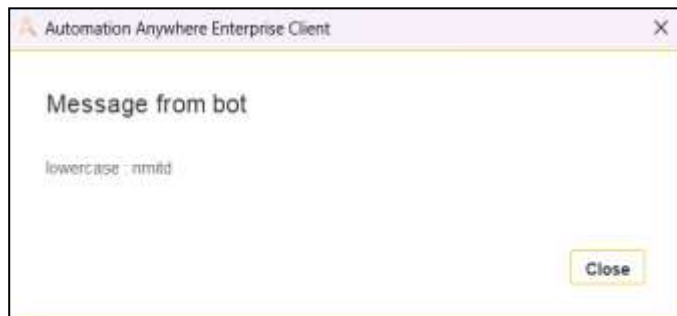
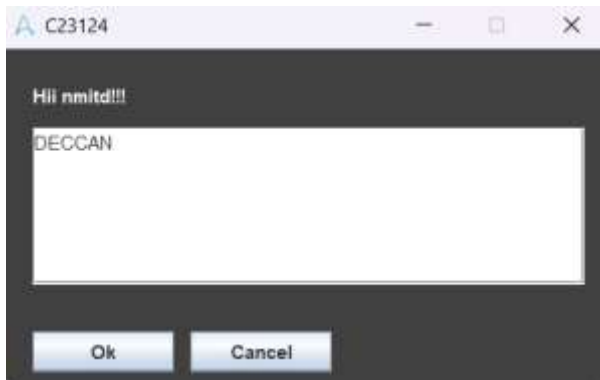
Screenshot of Bot:



Output:



Category 2:**9. AA: Bot to demonstrate string functions****Screenshot of Bot:****Output:**



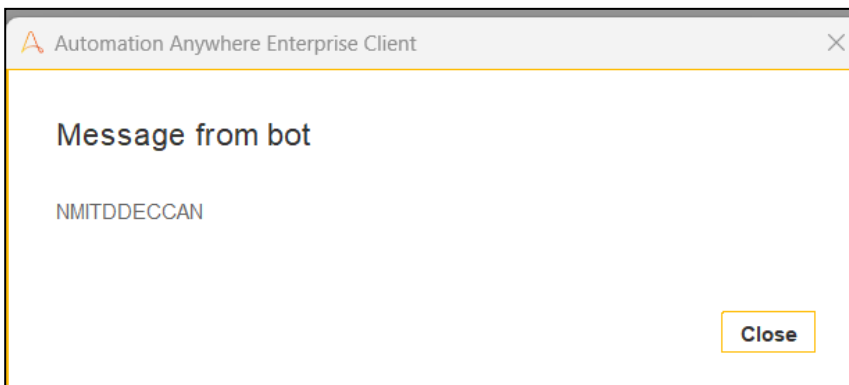


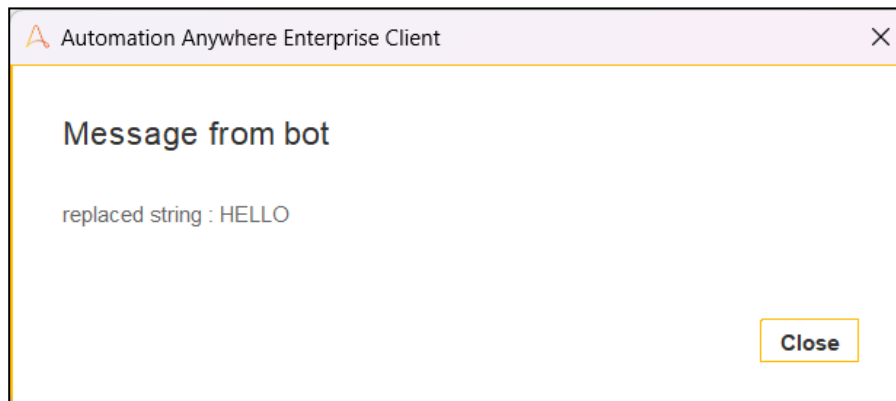
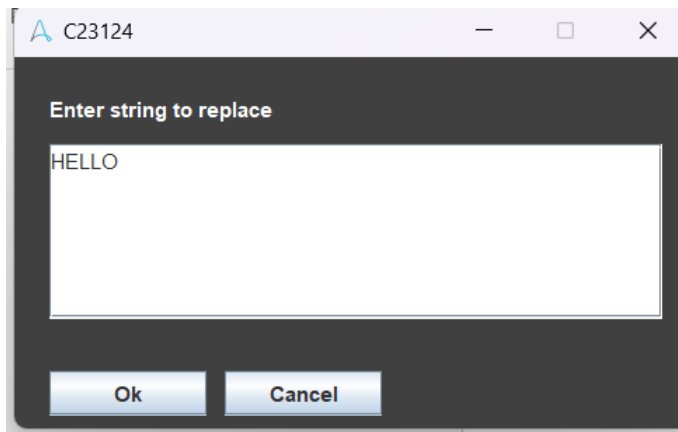
Bot for string operations: split, extract a substring, replace

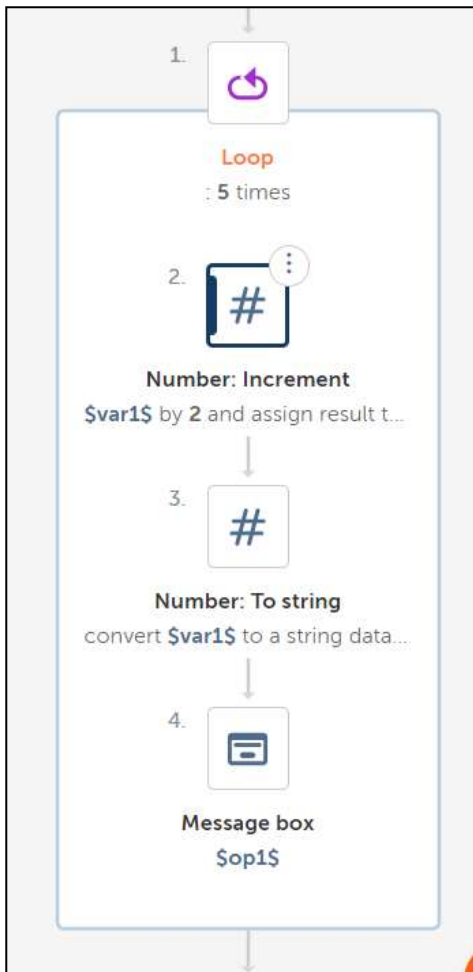
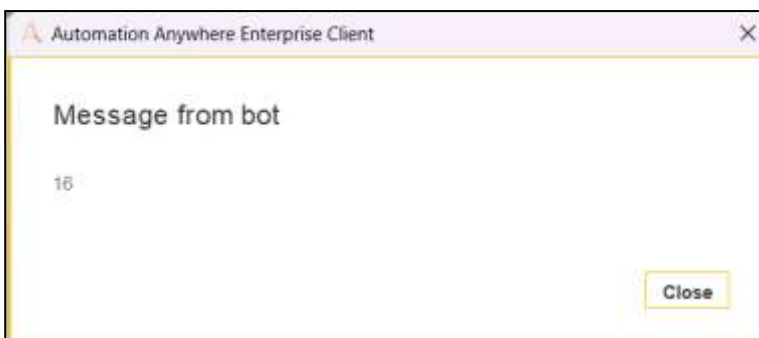
Screenshot of Bot:

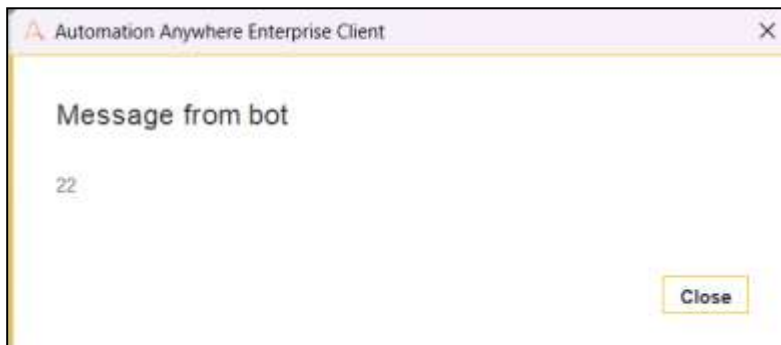
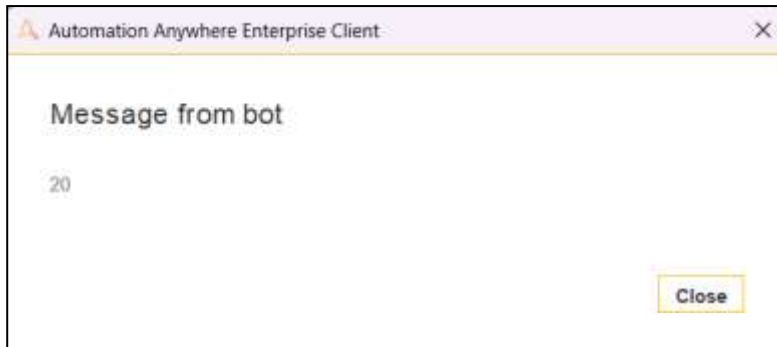
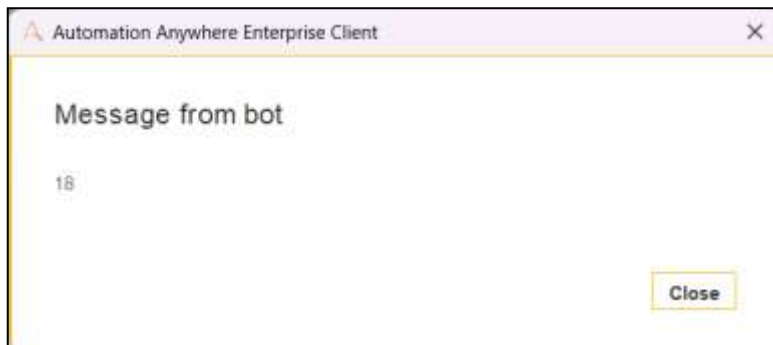


Output:





10. AA: Bot to demonstrate loop using Number Package**Screenshot of Bot:****Output:**

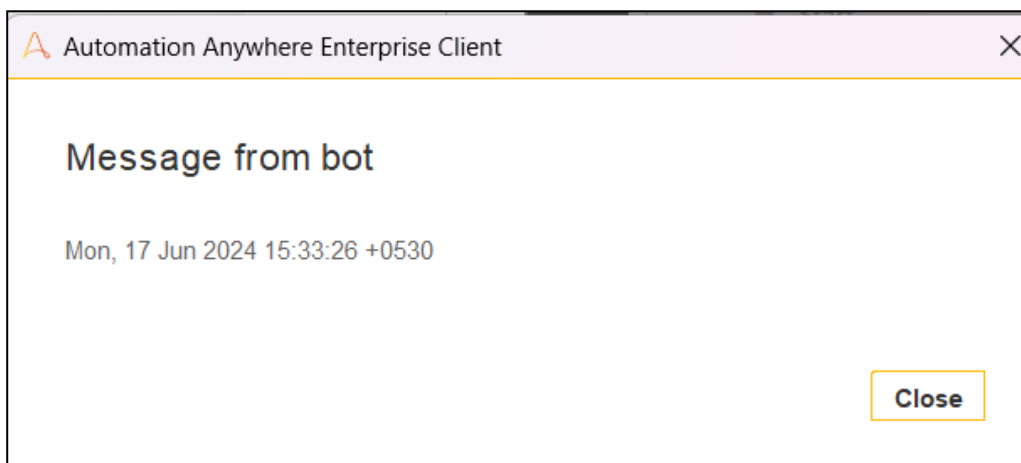
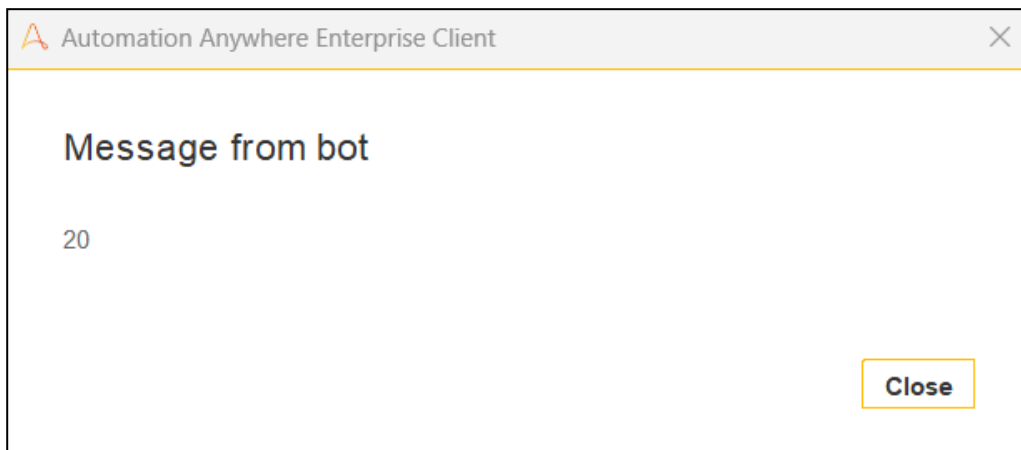


11. AA: Bot to demonstrate increment and decrement actions on number and datetime variables

Screenshot of Bot:

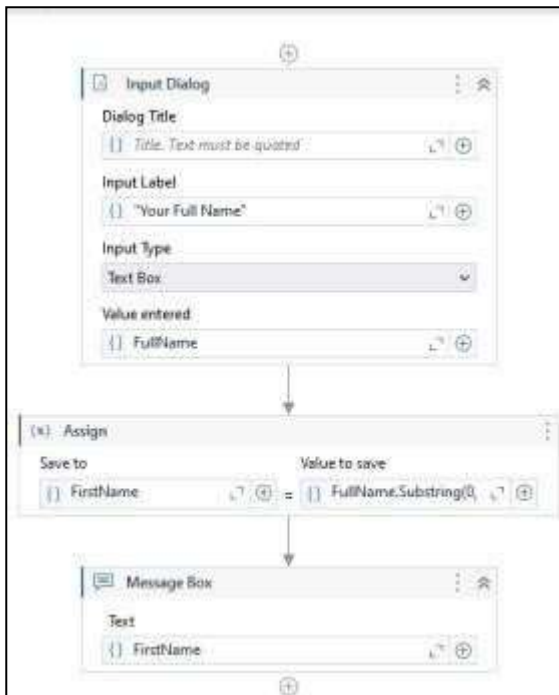


Output:

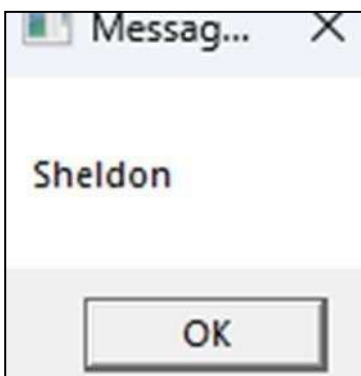
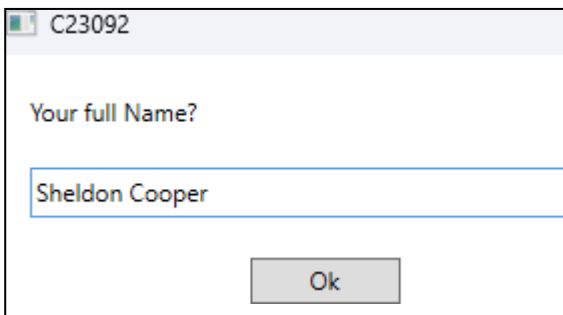


12. UiPath: Demonstrate substring using string variable

Screenshot of Bot:

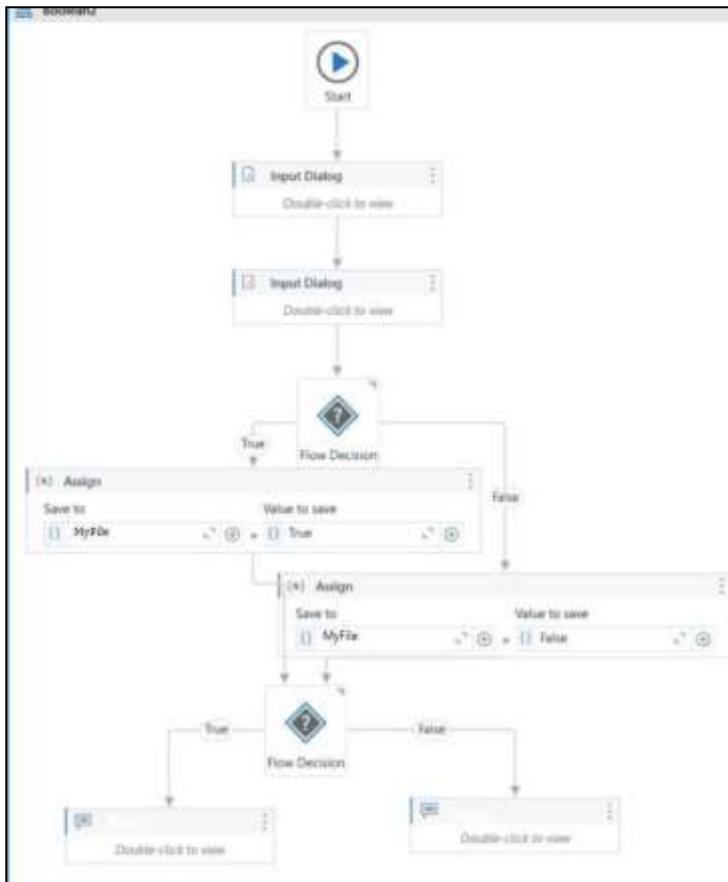


Output:



13. UiPath: Demonstrate Boolean variable using flow decision

Screenshot of Bot:



Output:

C23092

whats your name?

Penny

Ok

Whats your gender

female

Ok

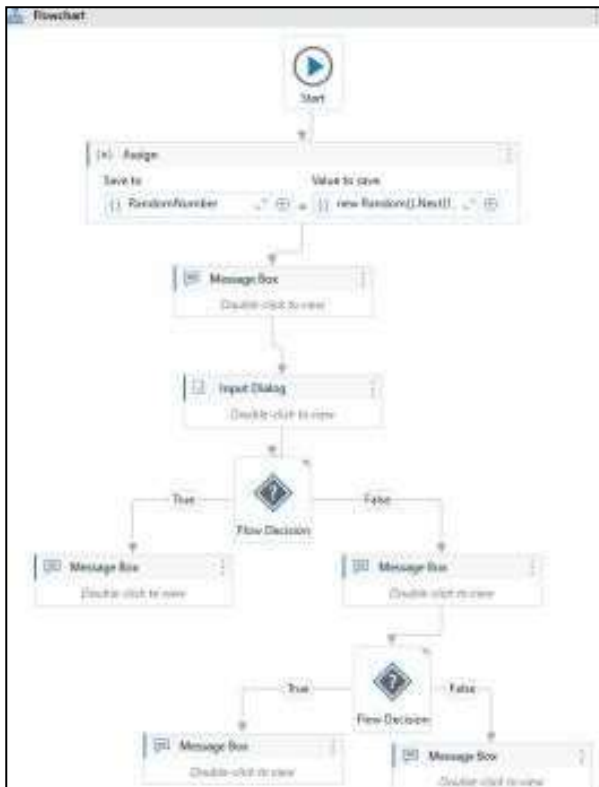
Message B...

Penny is a female

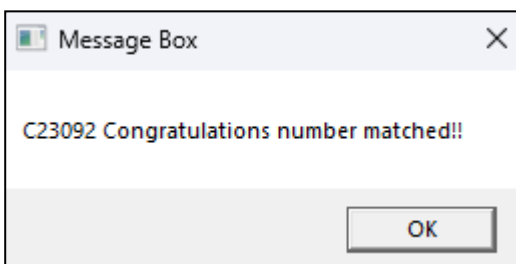
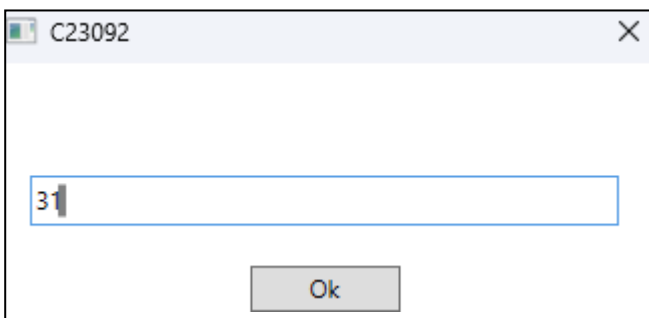
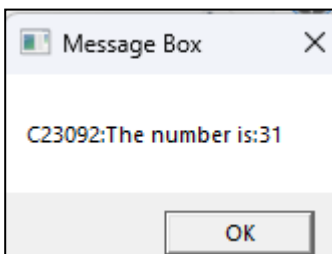
OK

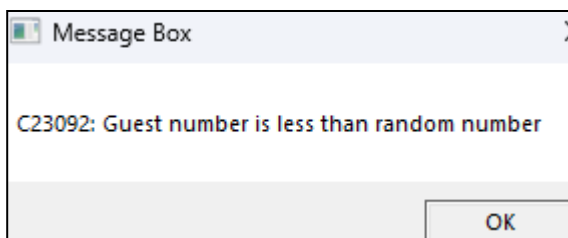
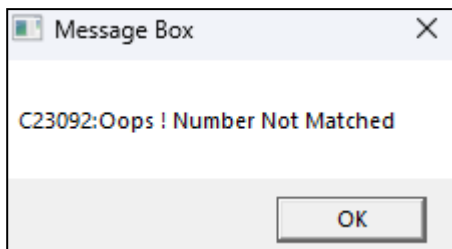
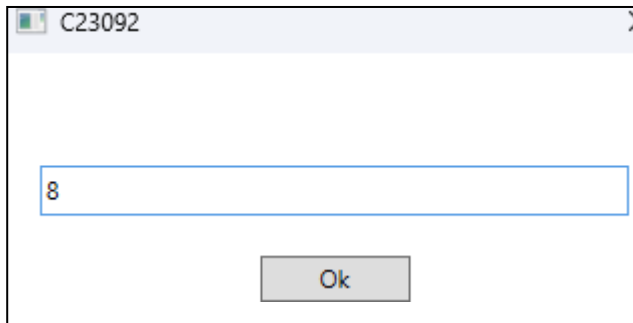
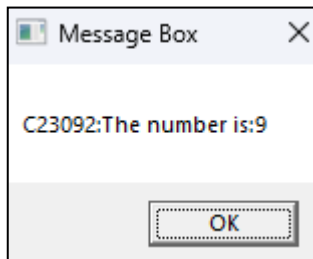
14. UiPath: Demonstrate flow decision for random numbers

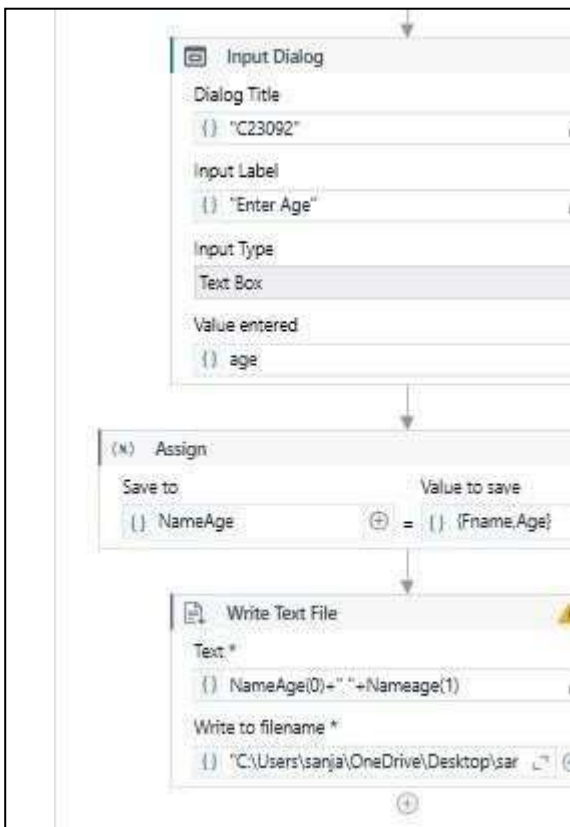
Screenshot of Bot:

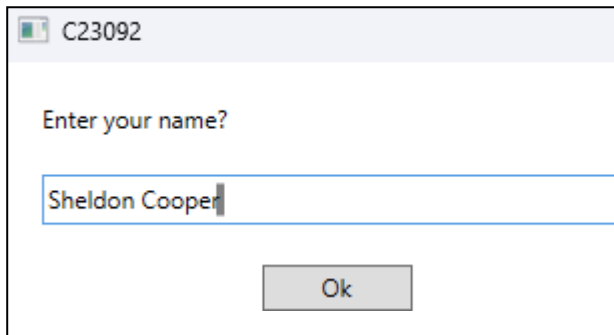


Output:





15. UiPath: Design a bot to accept two strings in array and write it into a notepad file.**Screenshot of Bot:**

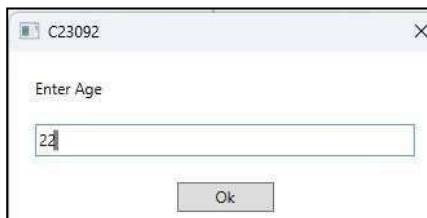
Output:

C23092

Enter your name?

Sheldon Cooper

Ok

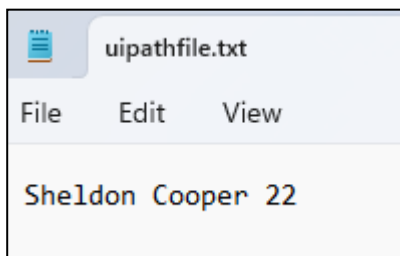


C23092

Enter Age

22

Ok



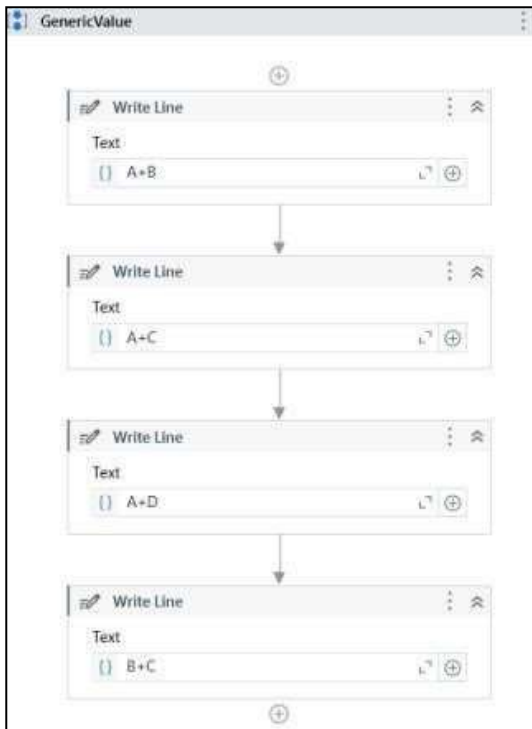
uipathfile.txt

File Edit View

Sheldon Cooper 22

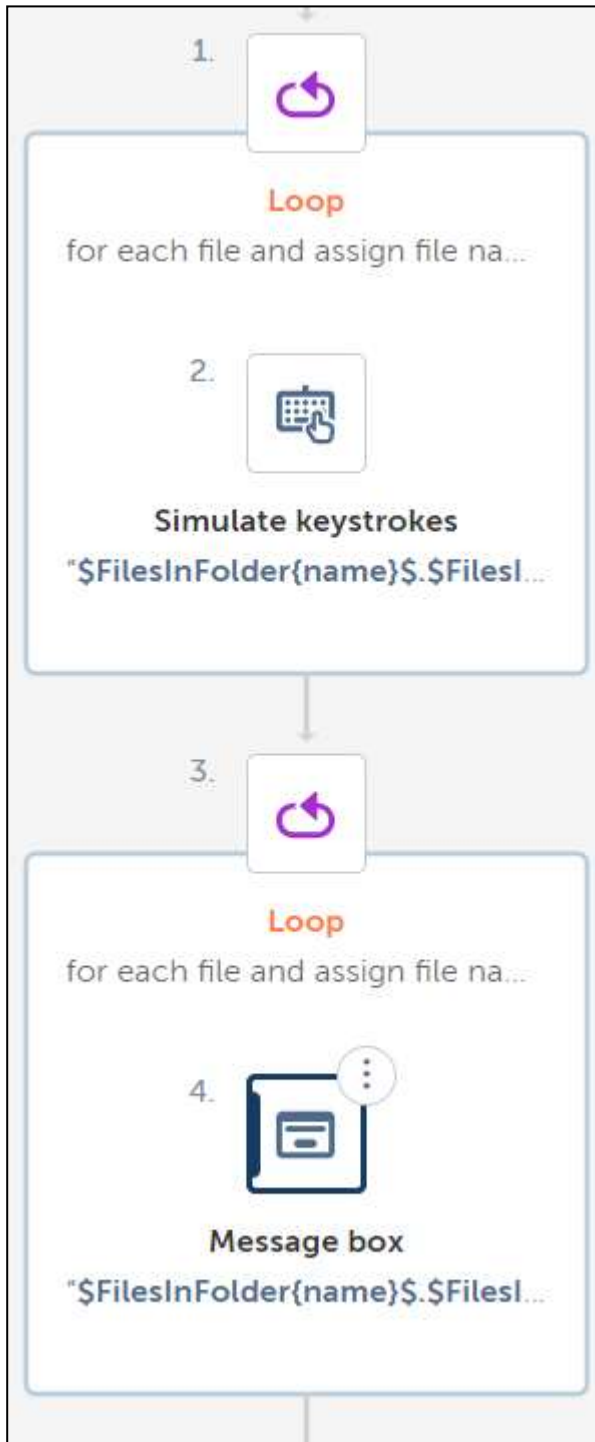
16. UiPath: Demonstrate generic value variables

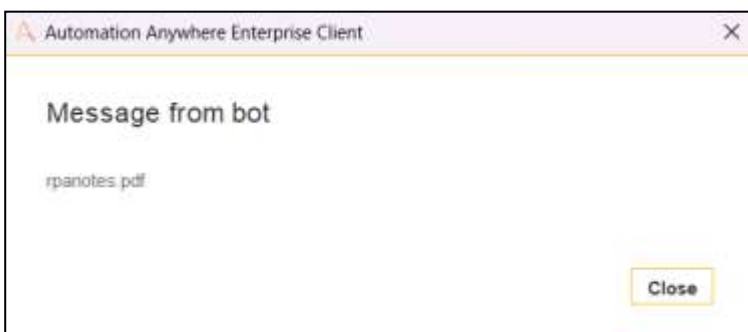
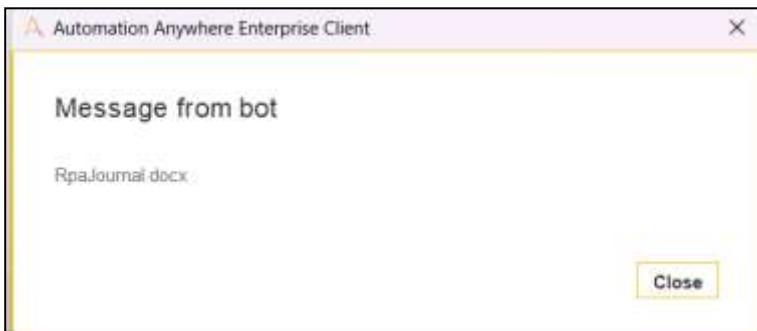
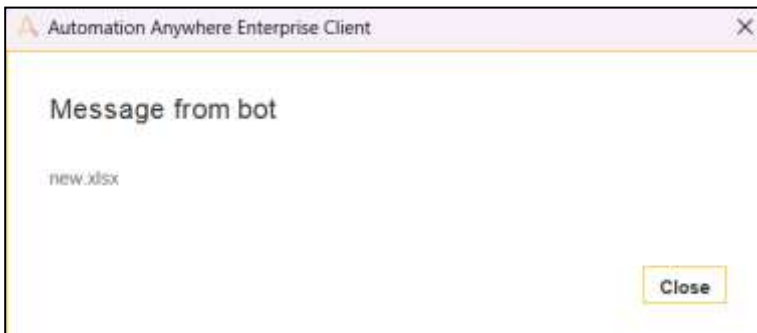
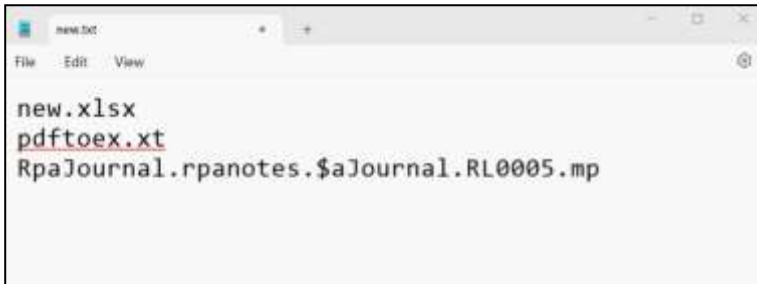
Screenshot of Bot:

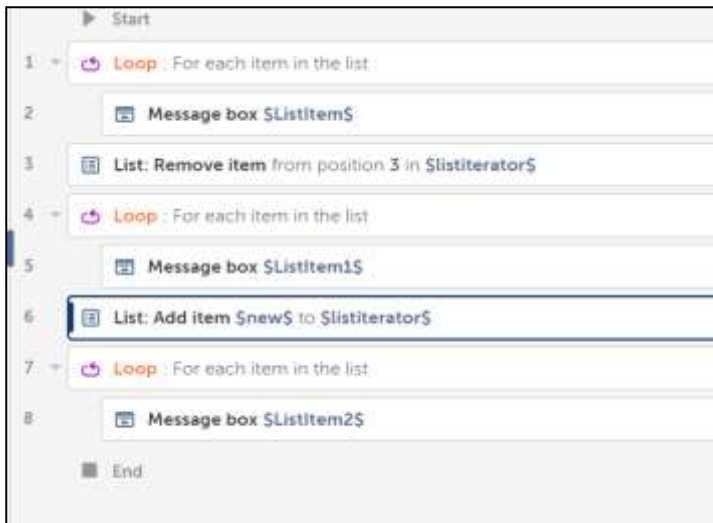
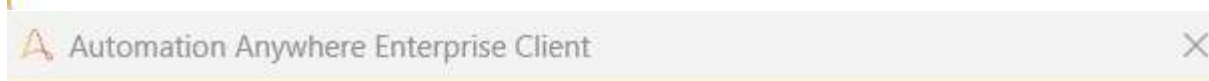
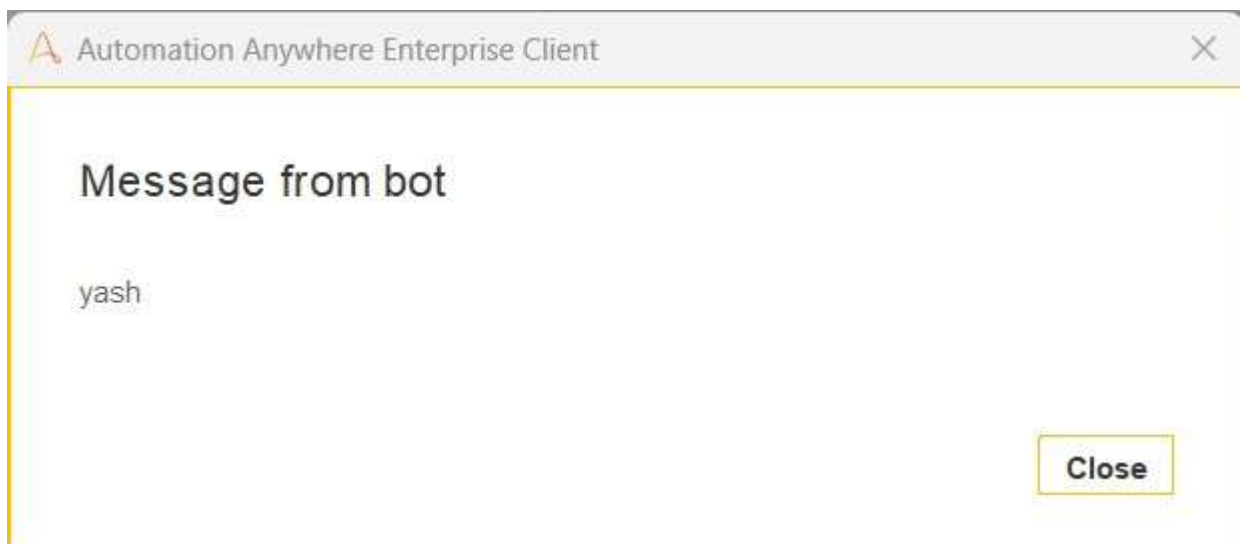


Output:

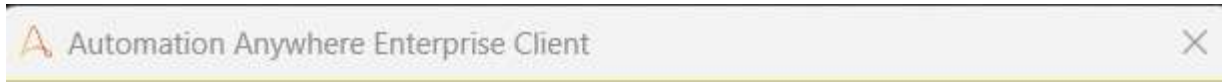


Category 3:**17. AA: Bot to demonstrate loop for reading file names in a folder and writing those into notepad file****Screenshot of Bot:**

Output:

18. AA: Bot to demonstrate list variable using list package**Screenshot of Bot:****Output:**

After removing item:



Message from bot

sid

Close

After adding new item:



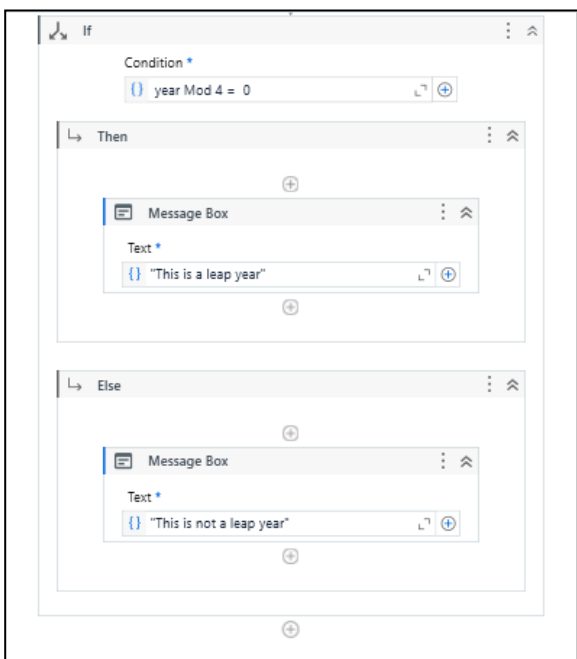
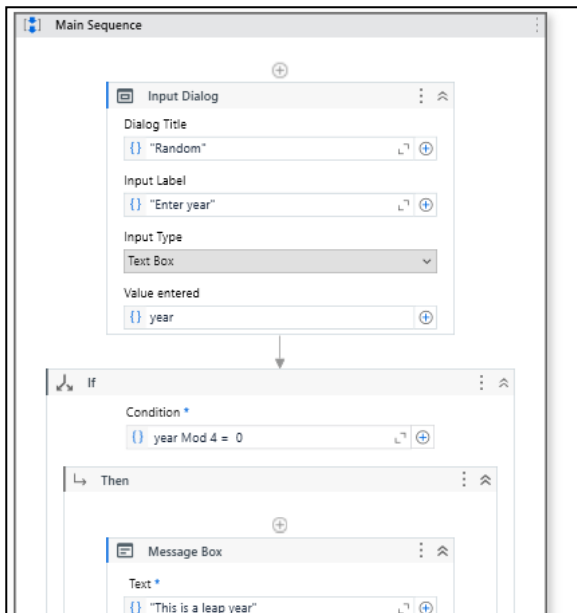
Message from bot

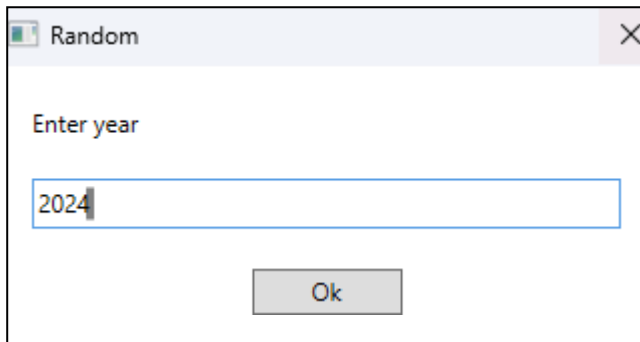
shubham

Close

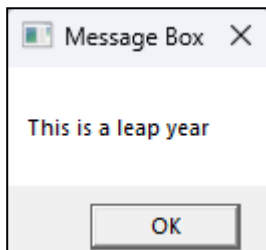
19. UiPath: Write a bot to check year is a leap year and elseIf

Screenshot of Bot:

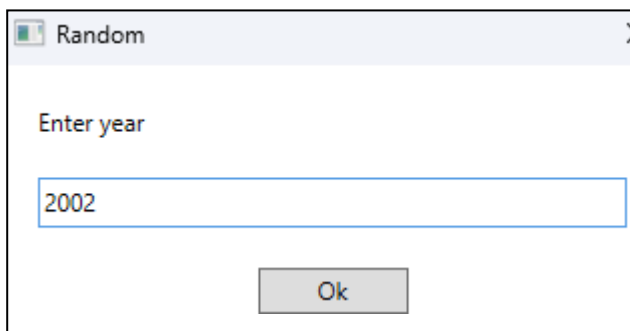


Output:

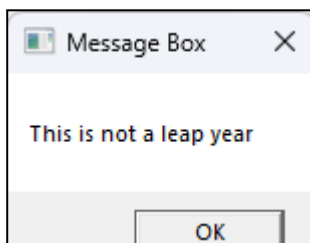
A dialog box titled "Random" with a close button (X) in the top right corner. It contains a label "Enter year" above a text input field. The input field contains the text "2024". Below the input field is an "Ok" button.



A "Message Box" dialog box with a close button (X) in the top right corner. It displays the message "This is a leap year". At the bottom is an "OK" button.



A dialog box titled "Random" with a close button (X) in the top right corner. It contains a label "Enter year" above a text input field. The input field contains the text "2002". Below the input field is an "Ok" button.

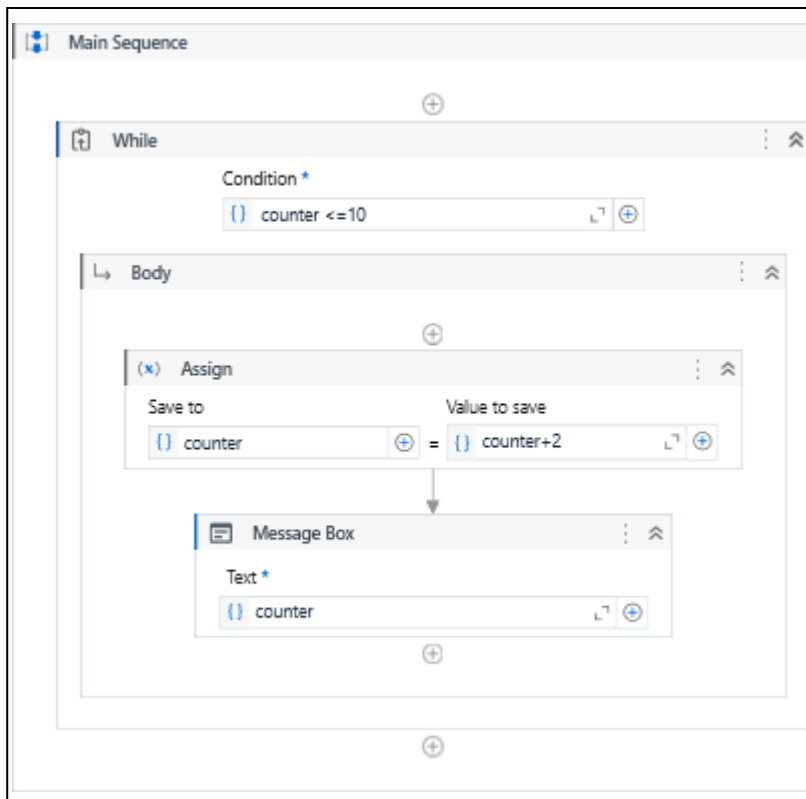


A "Message Box" dialog box with a close button (X) in the top right corner. It displays the message "This is not a leap year". At the bottom is an "OK" button.

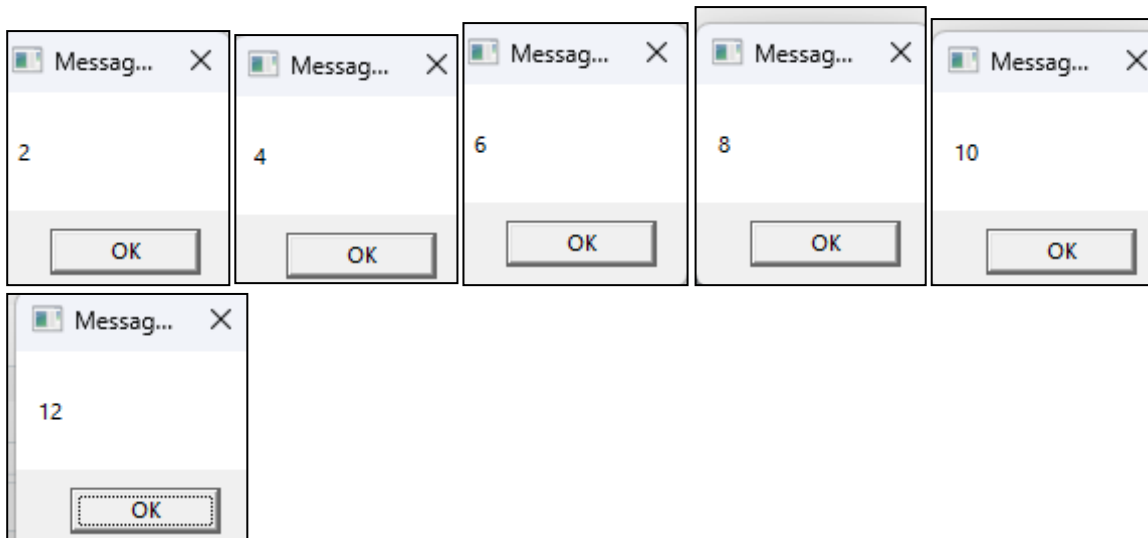
20. UiPath: Demonstrate while loop and do while loop

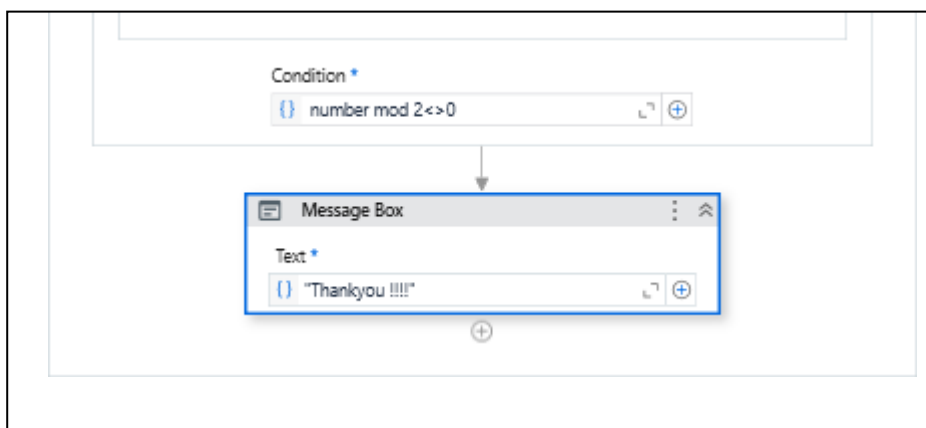
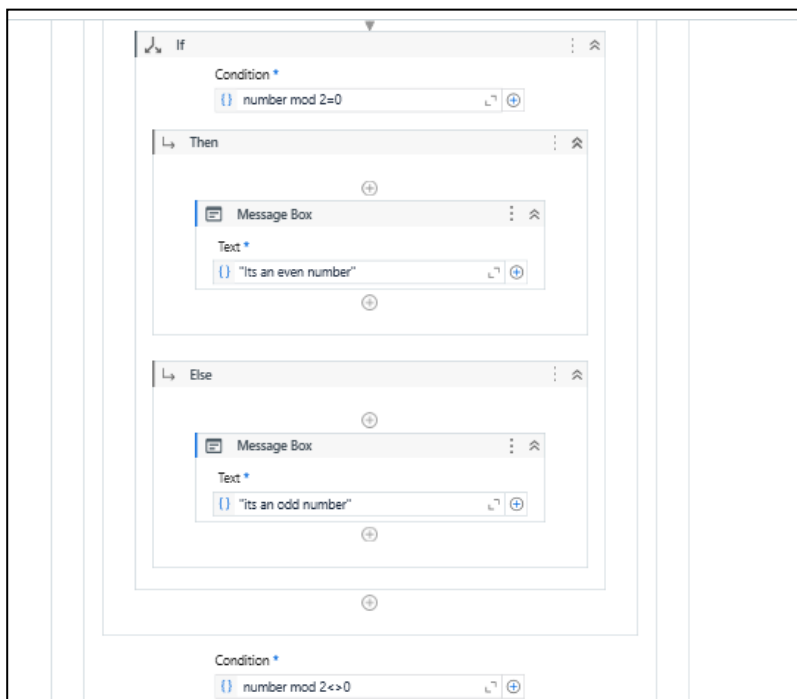
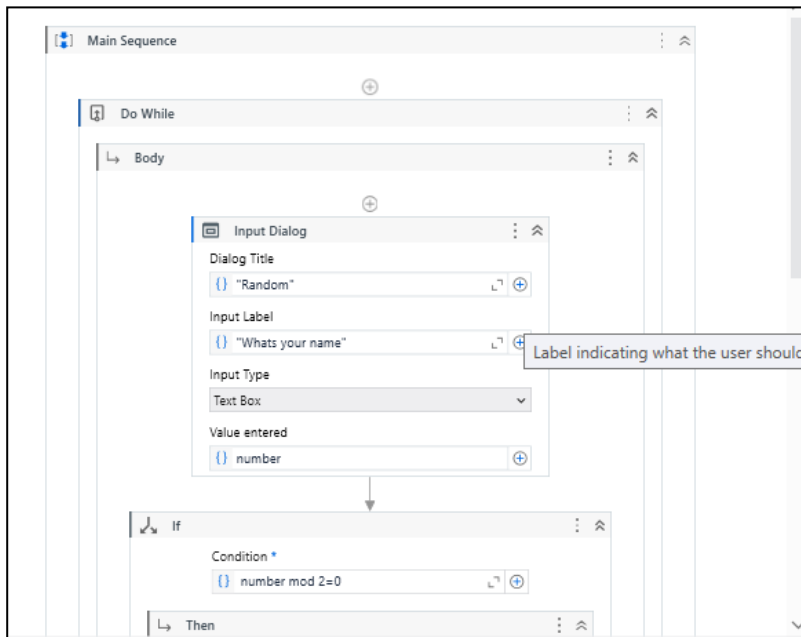
While loop:

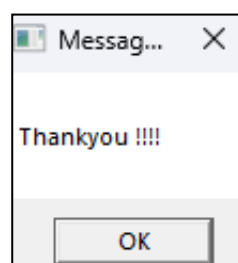
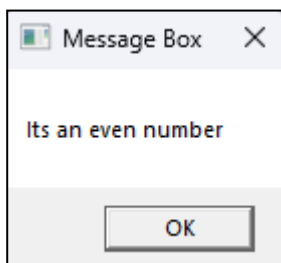
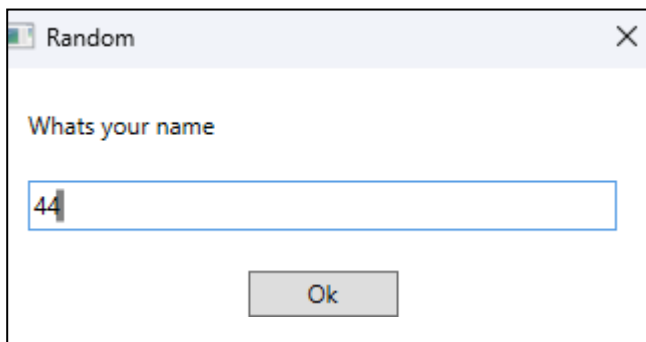
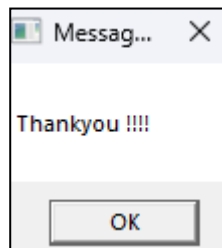
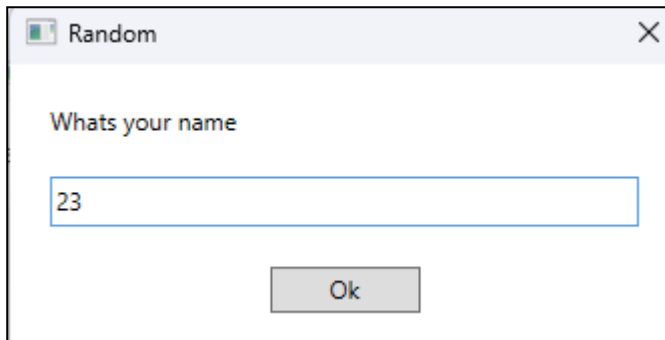
Screenshot of Bot:



Output:

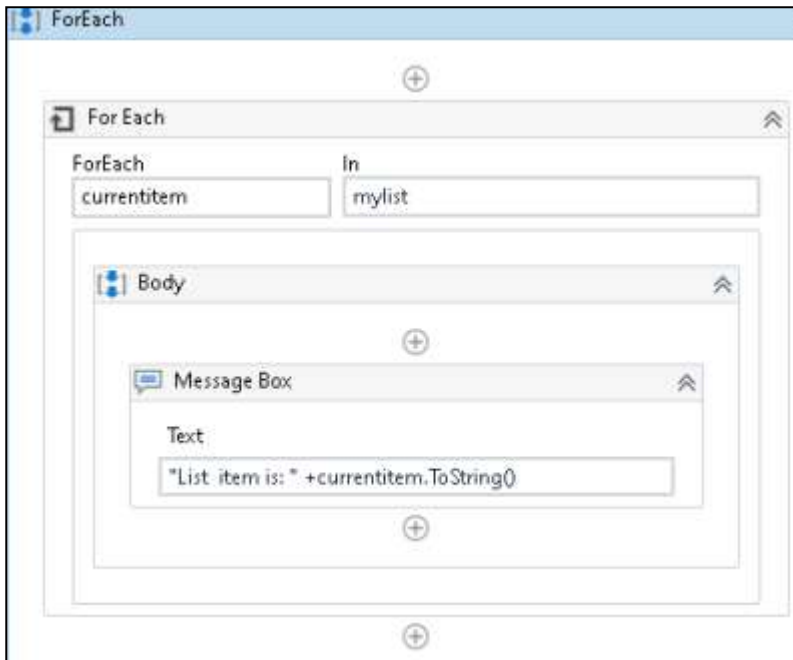


do while loop**Screenshot of Bot:**

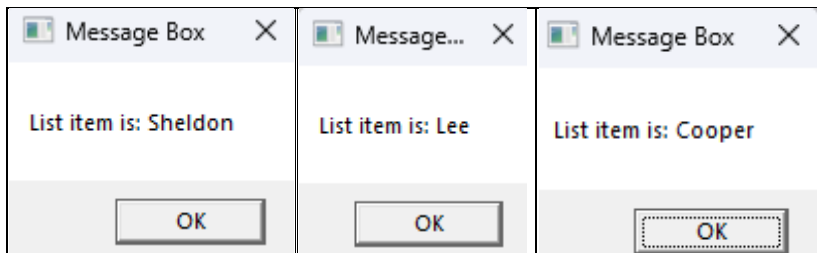
Output:

21. UiPath: Demonstrate ForEach for list variable

Screenshot of Bot:



Output:

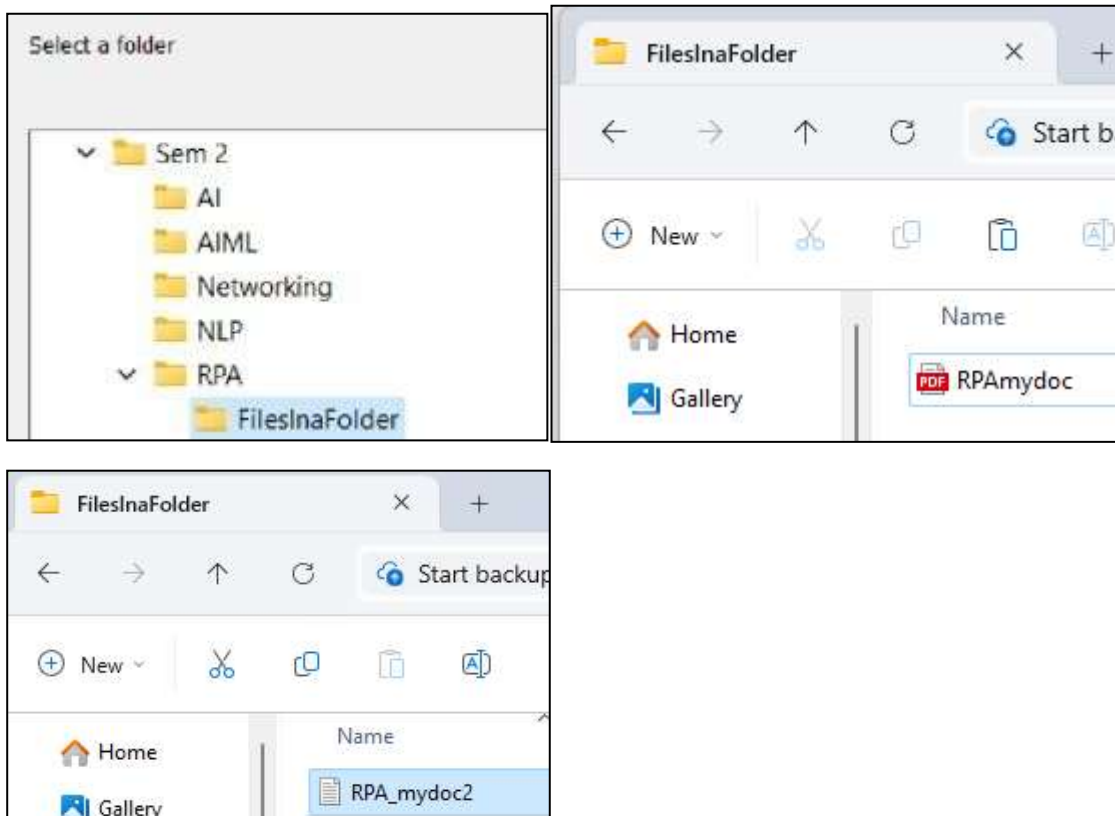


22. UiPath: Demonstrate ForEach for files in a folder

Screenshot of Bot:

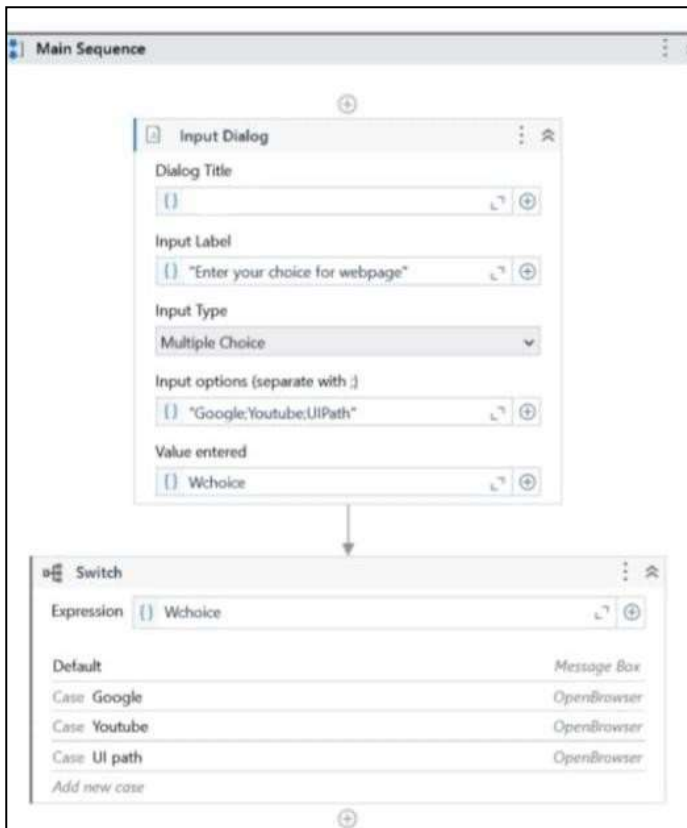


Output:

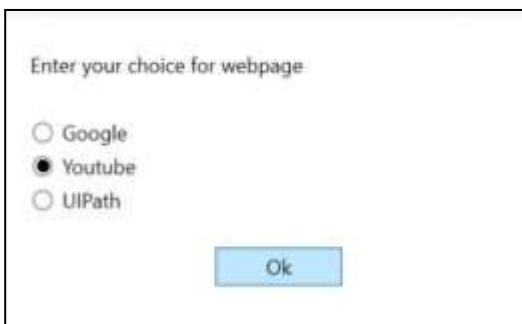


23. UiPath: Demonstrate switch

Screenshot of Bot:

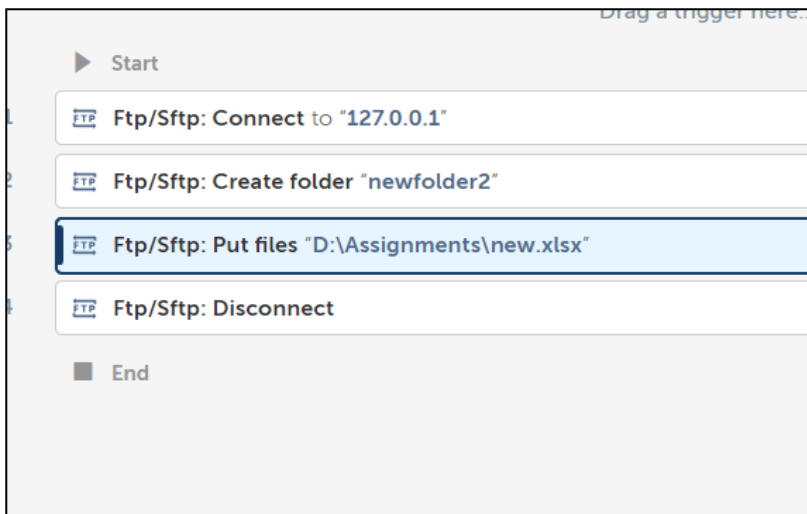


Output:

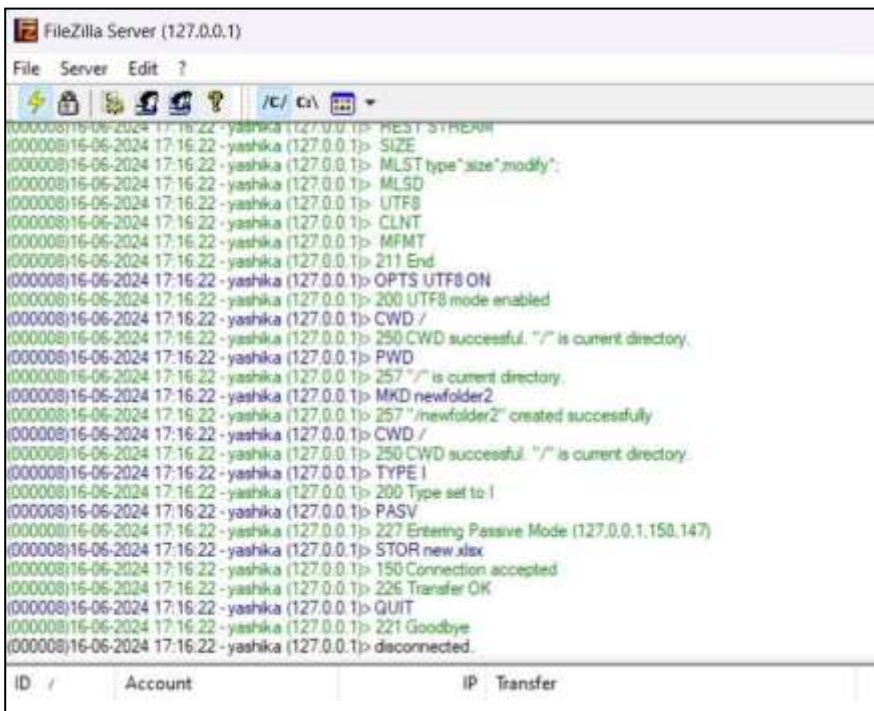


24. AA: Design and create a bot to create a folder and transfer files to a server

Screenshot of Bot:

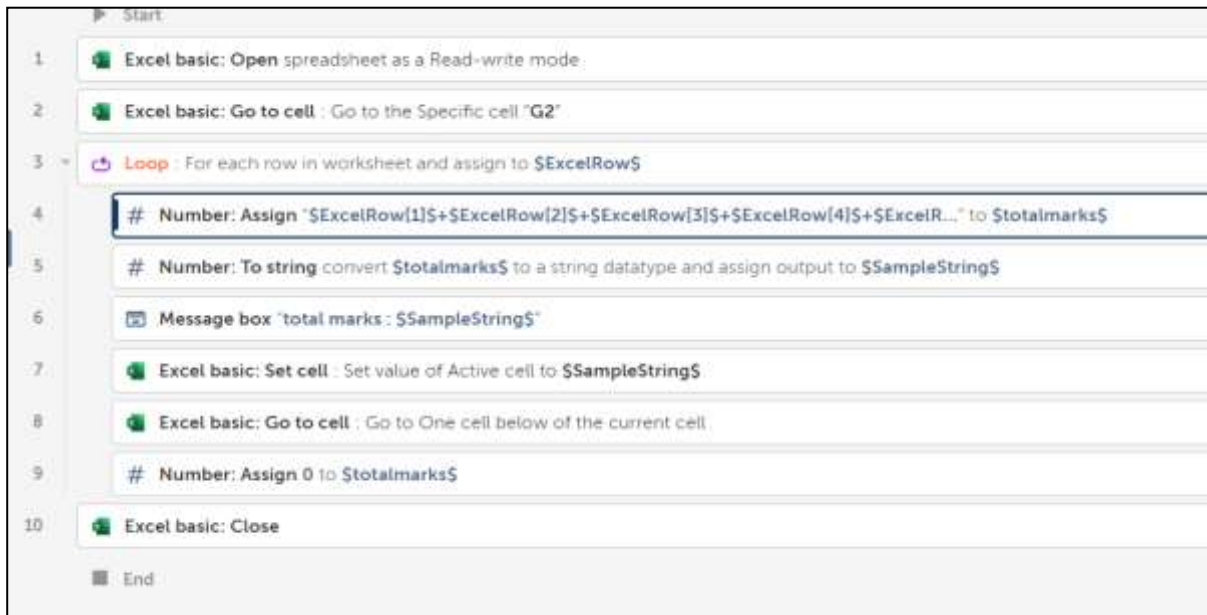


Output:

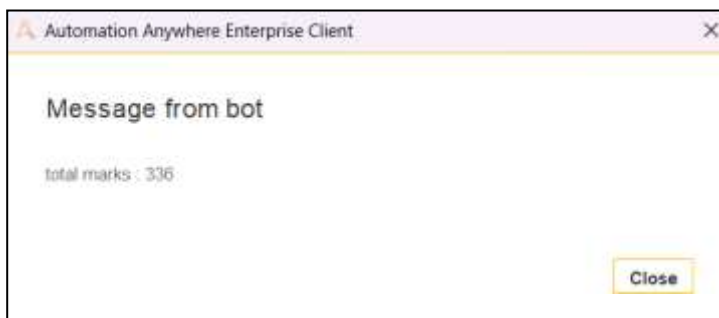
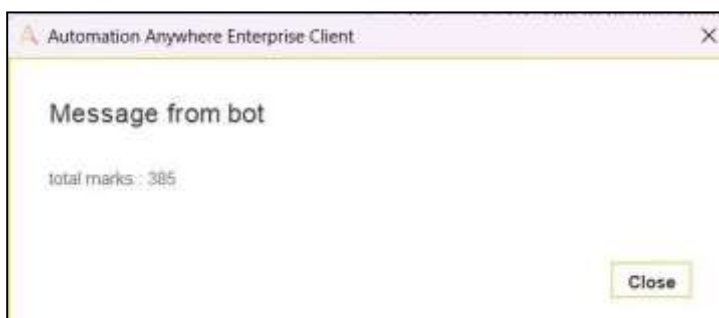


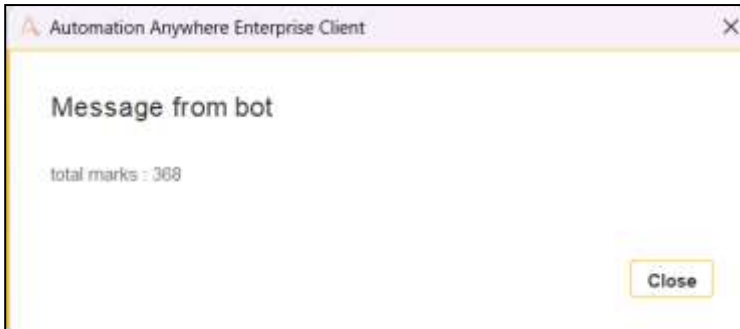
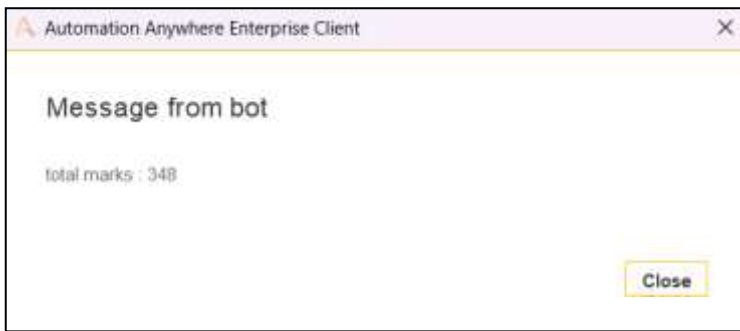
25. AA: Design and create a bot to fetch two subject scores of students in excel and display its addition

Screenshot of Bot:



Output:





Excel file:

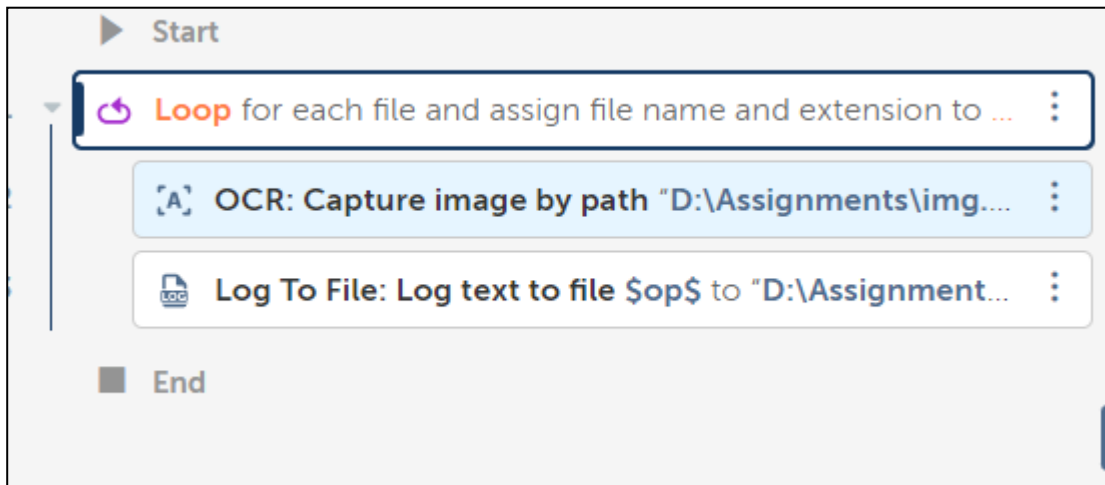
| Automation Anywhere Enterprise Client | | | | | | | | |
|---------------------------------------|--|--|--|--|--|--|--|--|
| Message from bot | | | | | | | | |
| total marks : 348 | | | | | | | | |
| Close | | | | | | | | |

| Automation Anywhere Enterprise Client | | | | | | | | |
|---------------------------------------|--|--|--|--|--|--|--|--|
| Message from bot | | | | | | | | |
| total marks : 368 | | | | | | | | |
| Close | | | | | | | | |

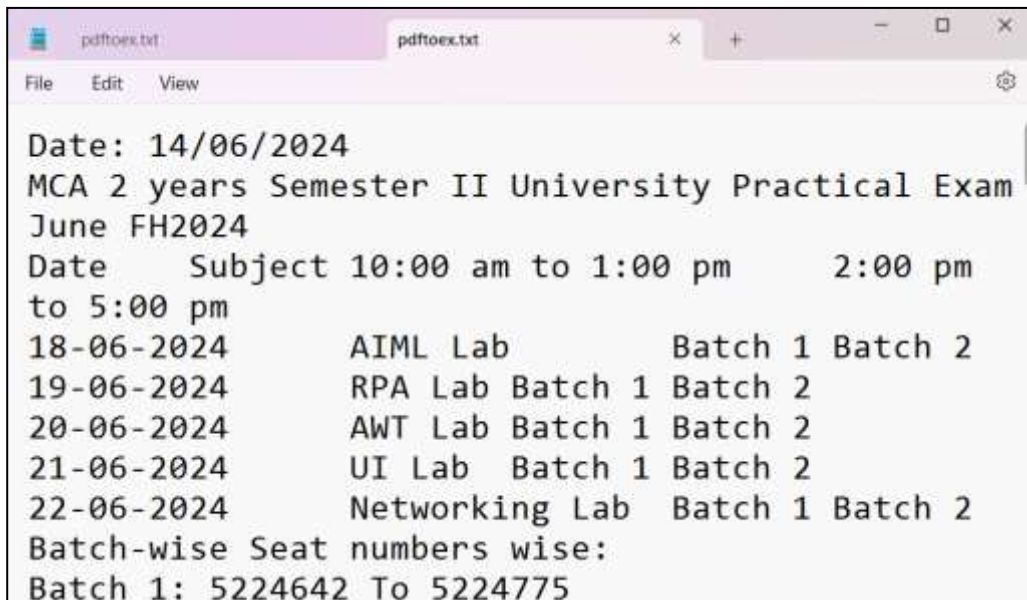
| Excel file: | | | | | | | | |
|--|--------|-----|----|-----|-------|------|-------------|---|
| FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW | | | | | | | | |
| I4 | | | | | | | | |
| | A | B | C | D | E | F | G | H |
| 1 | name | nlp | is | rpa | maths | aiml | Total marks | |
| 2 | yashu | 89 | 99 | 95 | 88 | 78 | 449 | |
| 3 | shamo | 98 | 88 | 56 | 78 | 65 | 385 | |
| 4 | dhano | 78 | 85 | 45 | 74 | 54 | 336 | |
| 5 | shruti | 88 | 65 | 85 | 65 | 45 | 348 | |
| 6 | sanju | 75 | 55 | 98 | 65 | 75 | 368 | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |

26. AA: Design and create a bot to extract text from images using OCR. And log the text in a log file

Screenshot of Bot:



Output:



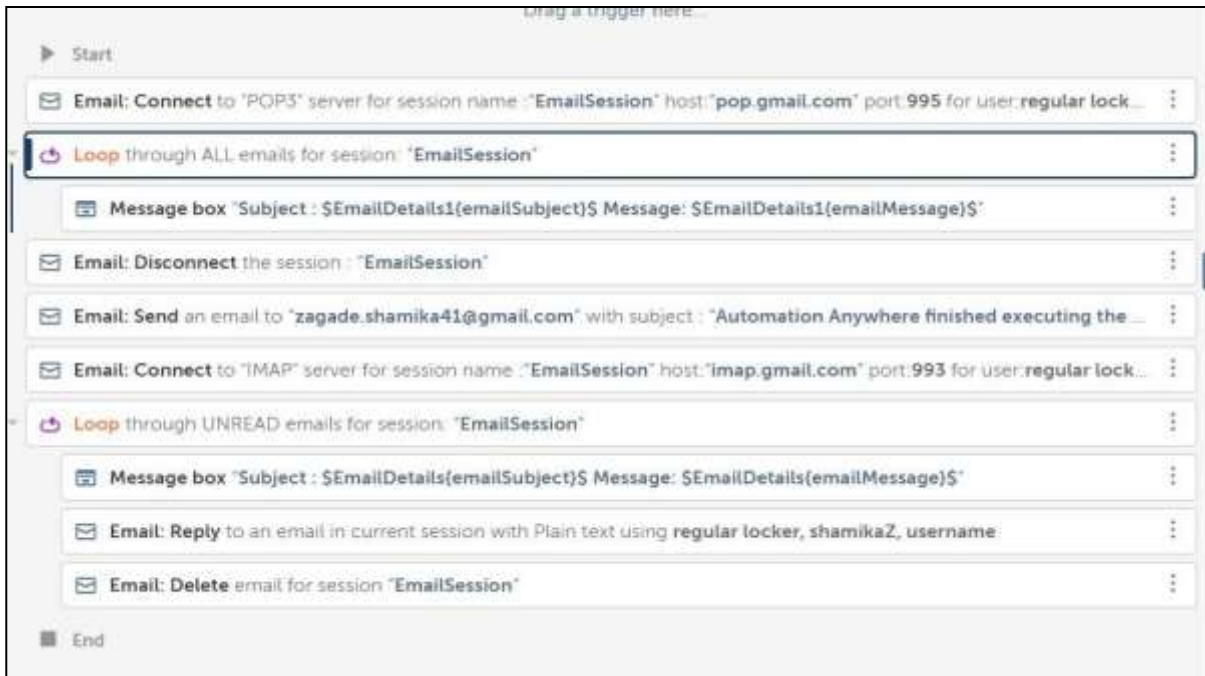
27. AA: Design and create a bot to automate tasks of:

A. Reading emails from inbox and displaying their Subject and Message

B. Sending a mail

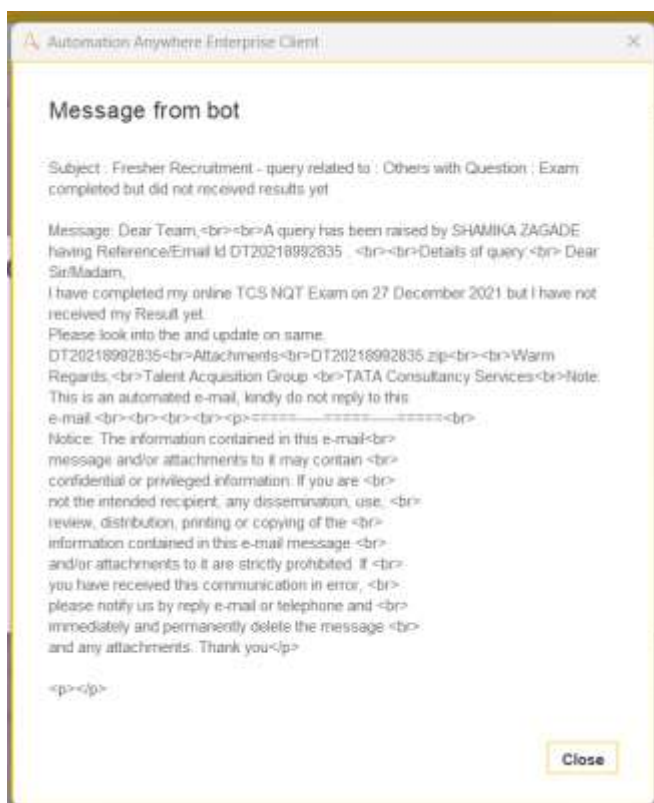
C. Replying to unread mail from mail inbox

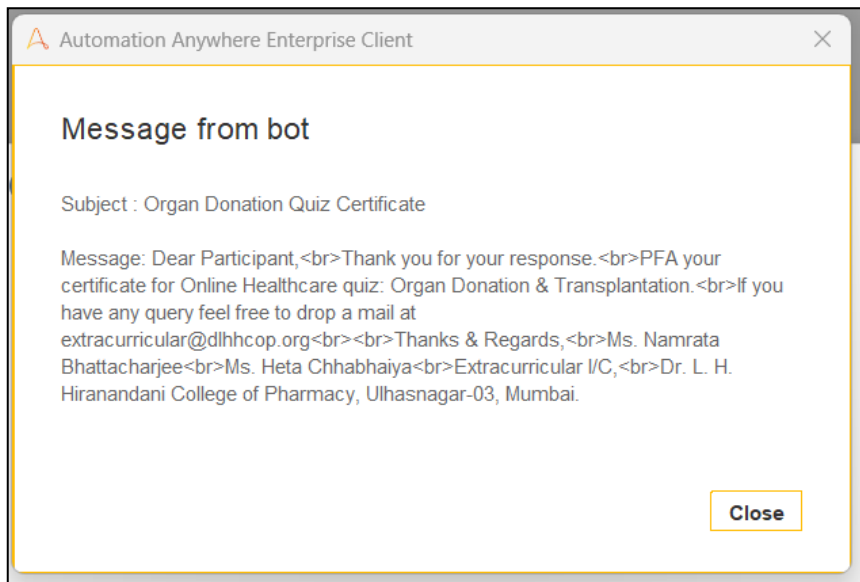
Screenshot of Bot:



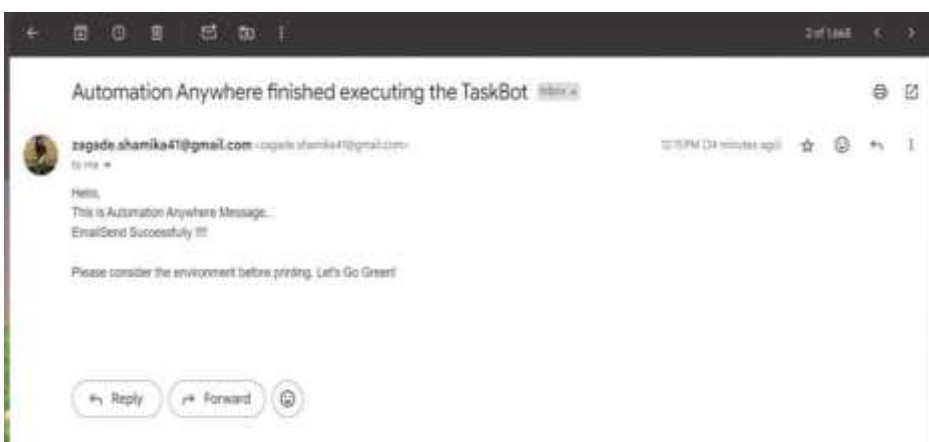
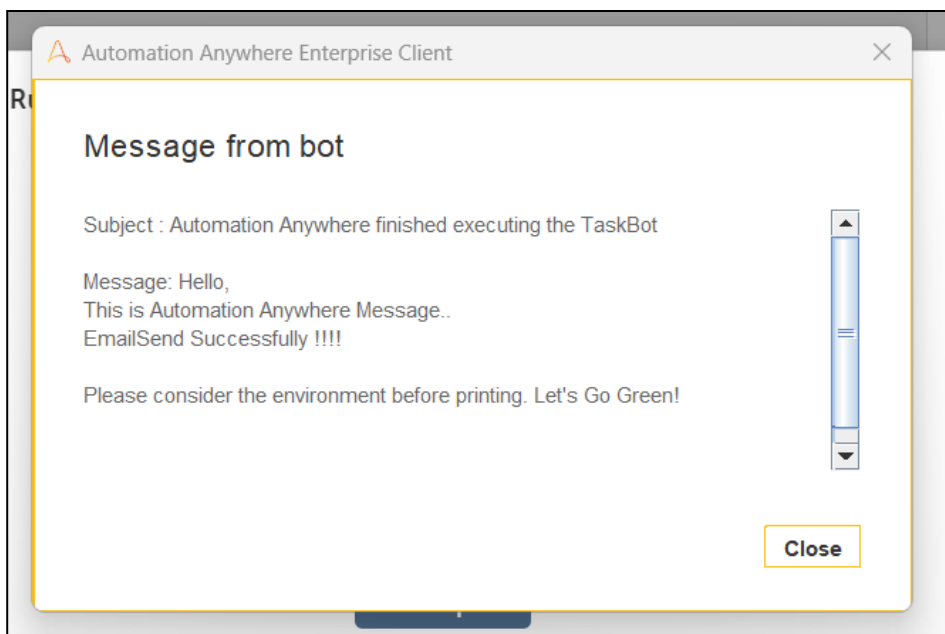
Output:

Reading emails:

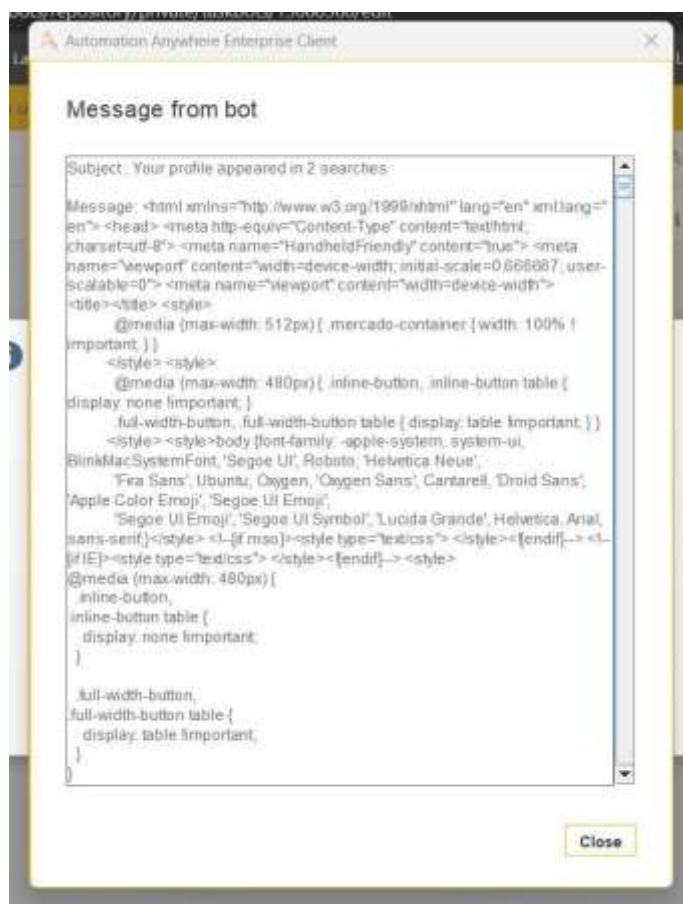




Sending emails:

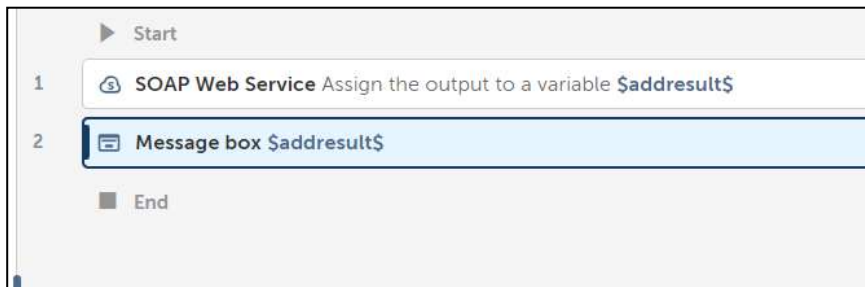


Replying mails and deleting:

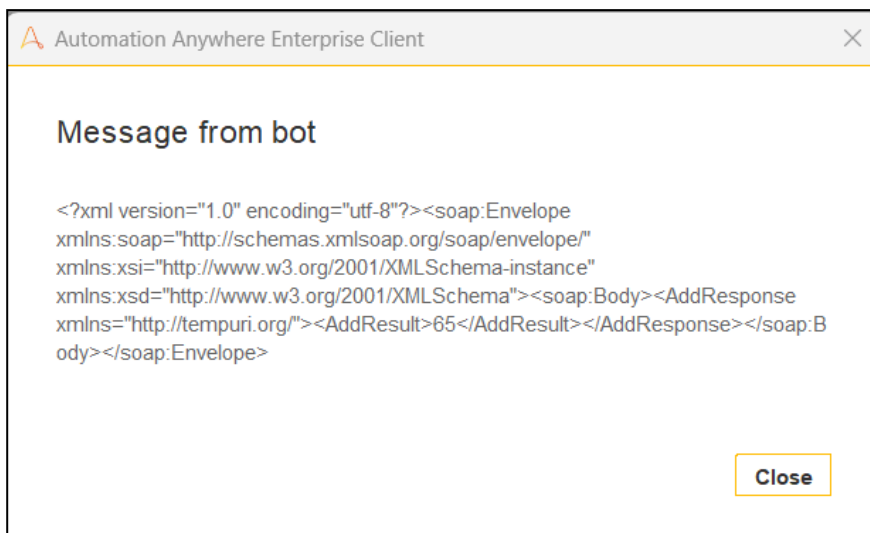


28. AA: Design and create a bot to automate tasks of SOAP web services to add two numbers

Screenshot of Bot:



Output:



Xml file

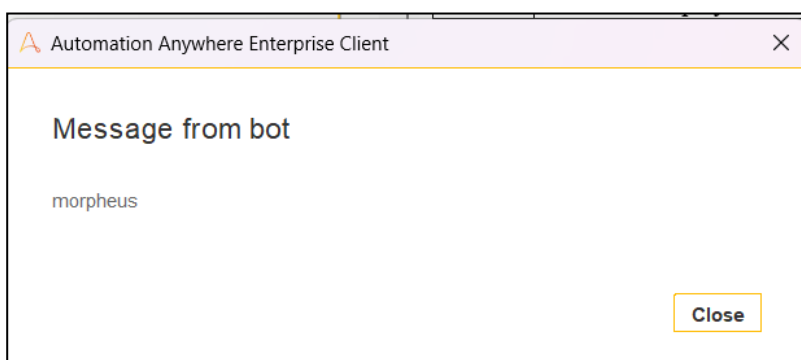
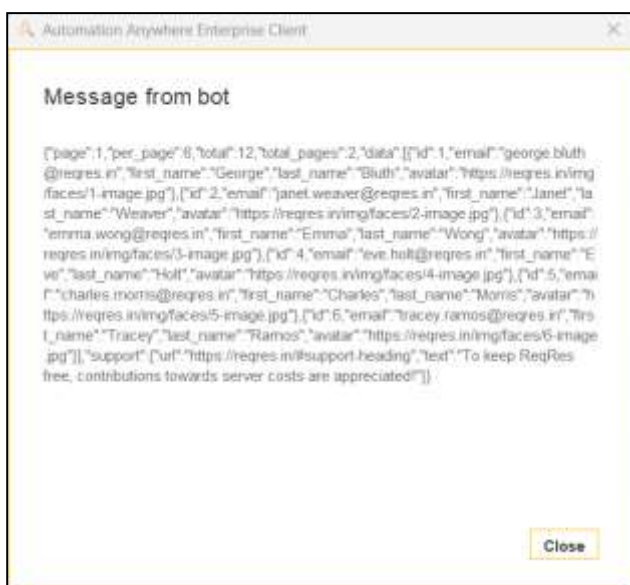


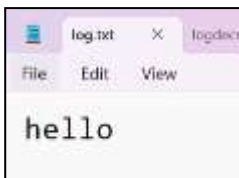
29. AA: Design and create a bot to automate tasks of RESTFul web service to fetch, and add data from the server

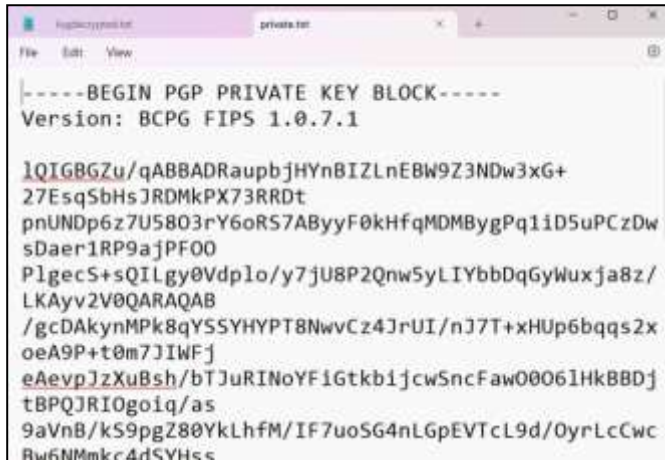
Screenshot of Bot:



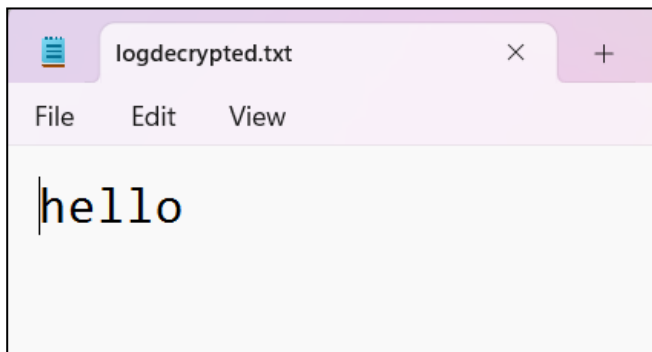
Output:



30. AA: Write a bot to create public and private keys**A. Encrypt a text file using the public key****B. Decrypt a text file using the private key****Screenshot of Bot:****Output:****Log.txt****Public.txt****Logencrypted.txt**

Private.txt

```
-----BEGIN PGP PRIVATE KEY BLOCK-----  
Version: BCPG FIPS 1.0.7.1  
  
lQIGBGZu/qABBADRaupbjHYnBIZLnEBW9Z3NDw3xG+  
27EsqSbHsJRDMkPX73RRDt  
pnUNDP6z7U5803rY6oRS7AByyF0kHfqMDMBygPq1iD5uPCzDw  
sDaer1RP9ajPF00  
PlgecS+sQILgy0Vdplo/y7jU8P2Qnw5yLIYbbDqGyWuxja8z/  
LKAYv2V0QARAQAB  
/gcDAkynMPk8qYSSYHYPT8NwvCz4JrUI/nJ7T+xHUp6bqqS2x  
oeA9P+t0m7JIWFj  
eAevpJzXuBsh/bTJuRINoYFiGtb1jcwSncFaw0006lHkBBdj  
tBPQJRI0goiq/as  
9aVnB/kS9pgZ80YkLhfM/IF7uoSG4nLGpEVTcL9d/OyrLcCwc  
Bw6NMmkc4dSYHss
```

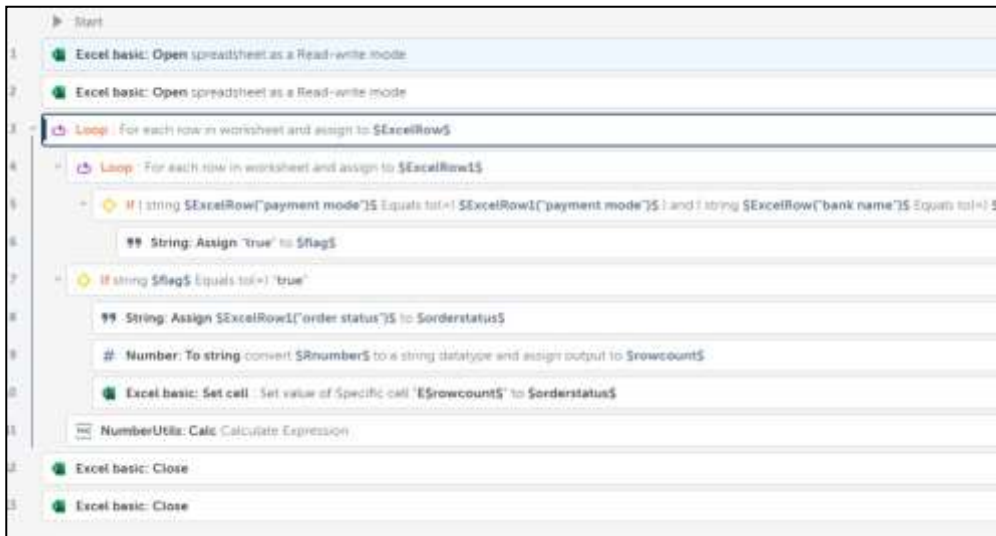
Logdecrypted.txt

```
hello
```

Category 4:

31. AA: Bot for Excel operations : Compare and Update Excel Sheet

Screenshot of Bot:



Output:

Before:

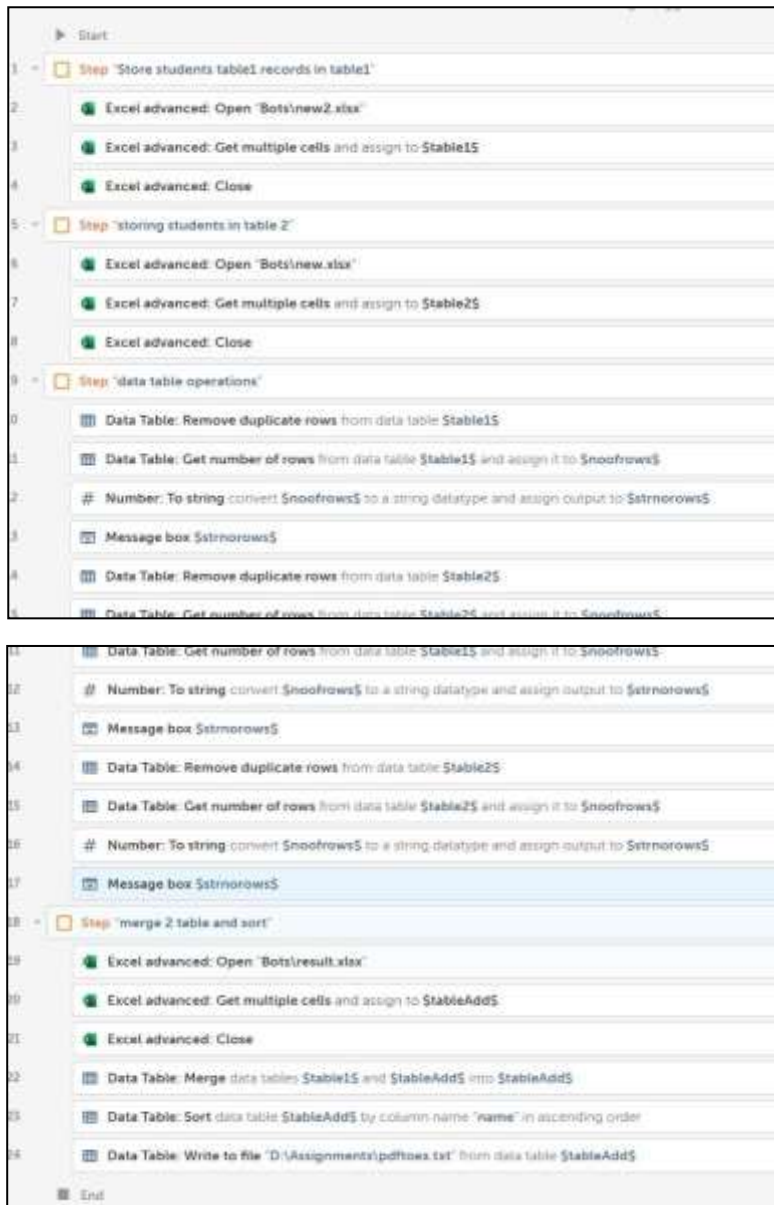
| Sr no | Payment Mode | Bank Name | Gate Way | RRN | Order Status |
|-------|--------------|-----------|----------|-----|-----------------|
| 1 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 2 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 3 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 4 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 5 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 6 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 7 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 8 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 9 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 10 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 11 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 12 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 13 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 14 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 15 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 16 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 17 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 18 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 19 | UPI | HSBC | Paytm | Yes | Order Confirmed |
| 20 | UPI | HSBC | Paytm | Yes | Order Confirmed |

After:

| Sr no | Payment Mode | Bank Name | RRN | Order Status |
|-------|--------------|------------------|-----|------------------------------------|
| 1 | UPI | HSBC | Yes | Order pending from E-commerce side |
| 2 | UPI | SBI | No | Order pending from E-commerce side |
| 3 | UPI | HSBC | No | Order pending from E-commerce side |
| 4 | UPI | Corporation Bank | Yes | Order pending from E-commerce side |
| 5 | UPI | HSBC | No | Order pending from E-commerce side |
| 6 | UPI | HSBC | Yes | Order pending from E-commerce side |
| 7 | UPI | HSBC | Yes | Order pending from E-commerce side |
| 8 | UPI | SBI | No | Order pending from E-commerce side |
| 9 | UPI | ICICI | Yes | Order pending from E-commerce side |
| 10 | UPI | Corporation Bank | No | Order pending from E-commerce side |

32. AA: Bot to demonstrate Data Table Package with Excel/ Advanced Excel package

Screenshot of Bot:



Output:

New2.txt

| | A | B |
|----|---------|-----------|
| 1 | roll no | name |
| 2 | 81 | dhanashre |
| 3 | 84 | gaurav |
| 4 | 92 | sanjana |
| 5 | 107 | shruti |
| 6 | 124 | yashika |
| 7 | 136 | shamika |
| 8 | | |
| 9 | | |
| 10 | | |

New.txt

| | A | B |
|----|---------|-----------|
| 1 | roll no | address |
| 2 | 81 | kalyan |
| 3 | 84 | kalyan |
| 4 | 92 | ghatkopar |
| 5 | 107 | dahanu |
| 6 | 124 | thane |
| 7 | 136 | thane |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |

Sorted

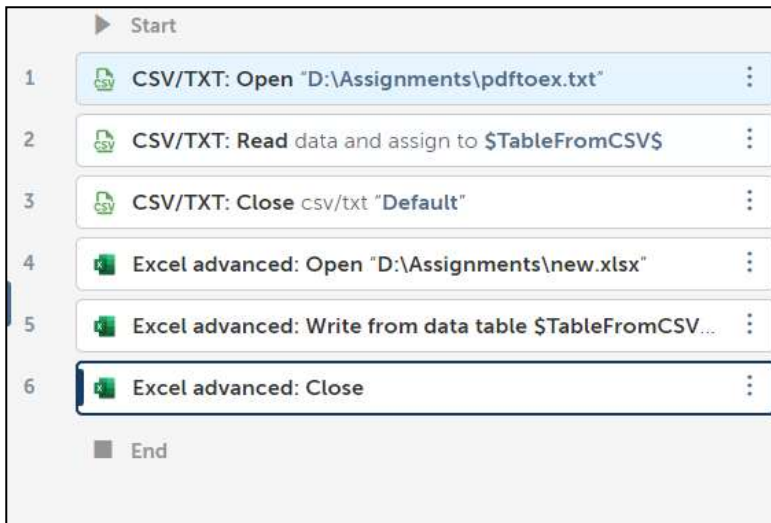
| | A | B |
|----|---------|-----------|
| 1 | roll no | name |
| 2 | 81 | dhanashre |
| 3 | 84 | gaurav |
| 4 | 92 | sanjana |
| 5 | 136 | shamika |
| 6 | 107 | shruti |
| 7 | 124 | yashika |
| 8 | | |
| 9 | | |
| 10 | | |

Merged

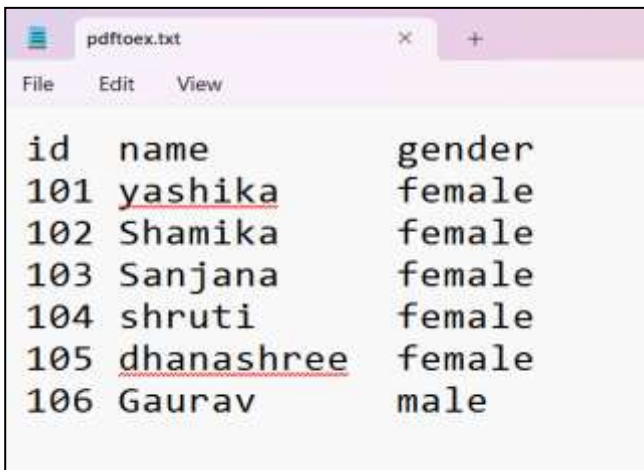
| | A | B | C |
|----|---------|-----------|-----------|
| 1 | roll no | name | address |
| 2 | 81 | dhanashre | kalyan |
| 3 | 84 | gaurav | kalyan |
| 4 | 92 | sanjana | ghatkopar |
| 5 | 136 | shamika | dahanu |
| 6 | 107 | shruti | thane |
| 7 | 124 | yashika | thane |
| 8 | | | |
| 9 | | | |
| 10 | | | |

33. AA: Bot To copy data from TXT file and write it into Excel

Screenshot of Bot:

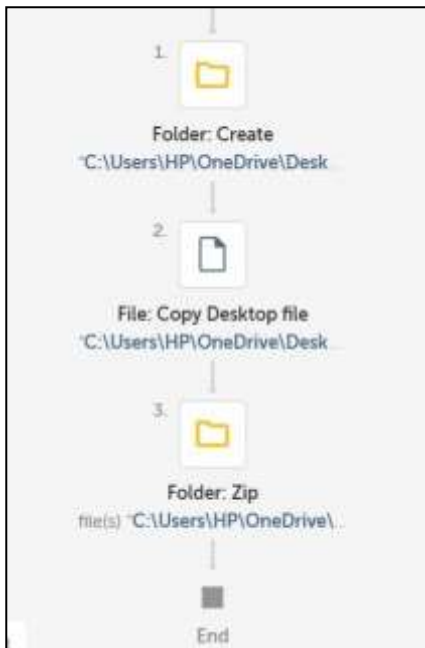


Text file

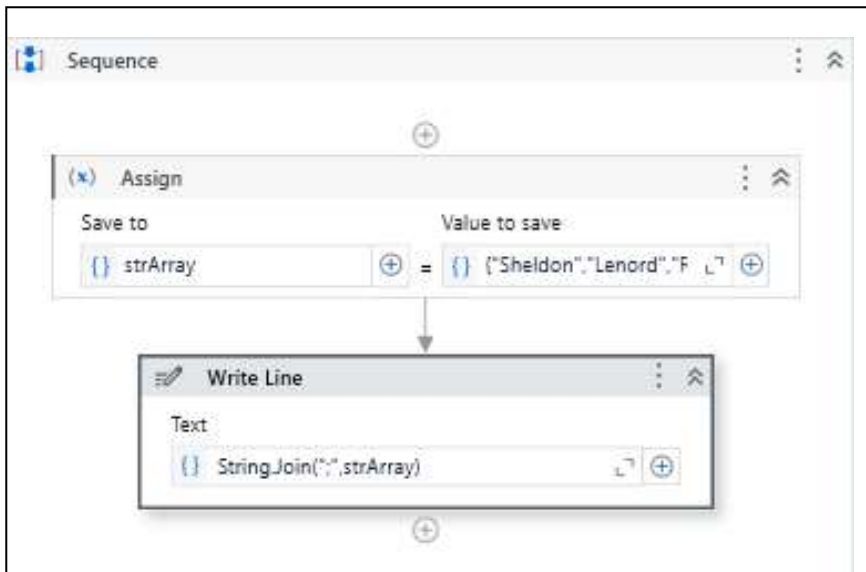
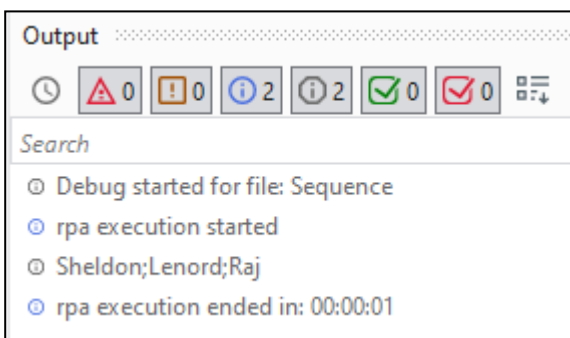


Excel file

| | A | B | C | D |
|----|-----|------------|--------|---|
| 1 | id | name | gender | |
| 2 | 101 | yashika | female | |
| 3 | 102 | Shamika | female | |
| 4 | 103 | Sanjana | female | |
| 5 | 104 | shruti | female | |
| 6 | 105 | dhanashree | female | |
| 7 | 106 | Gaurav | male | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |

34. AA: Bot to copy files from one folder to another**Screenshot of Bot:****Output:**

| Name | Date modified | Type | Size |
|---------|--------------------|------------------------|------|
| Desktop | 04-Jun-23 12:17 PM | File folder | |
| IQ | 04-Jun-23 12:27 PM | File folder | |
| Pracs | 04-Jun-23 1:04 PM | File folder | |
| Date | 04-Jun-23 12:27 PM | Compressed (zipped)... | 1 KB |

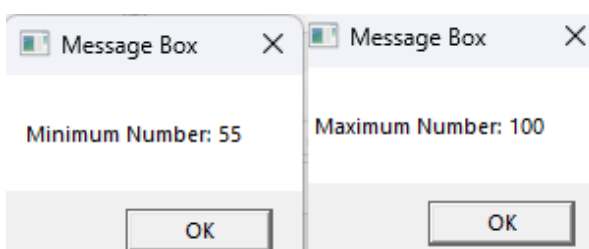
35. UiPath: Write a bot to create array of string and to copy the contents of array to string**Screenshot of Bot:****Output:**

36. UiPath: Demonstrate array variable with different functions

Screenshot of Bot:

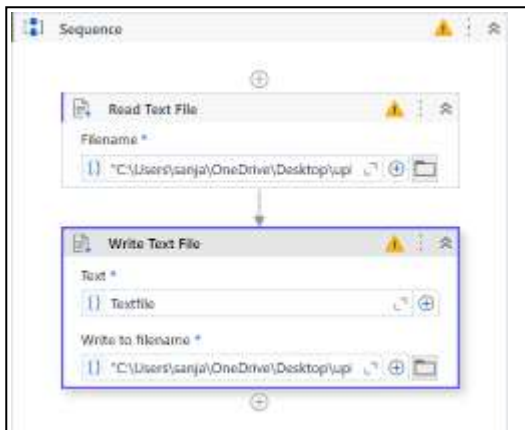


Output:

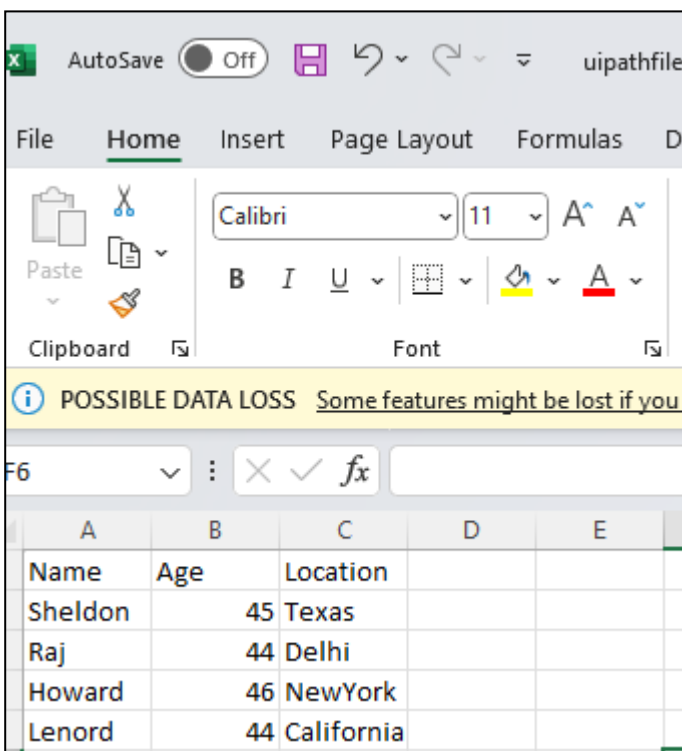
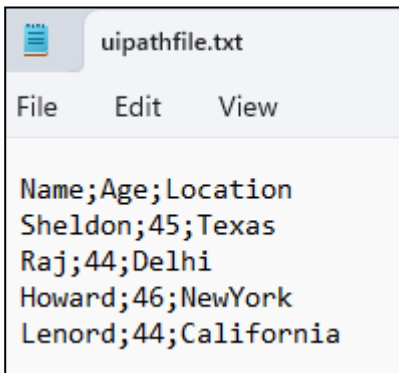


37. UiPath: Write a bot to convert text file to Excel file

Screenshot of Bot:



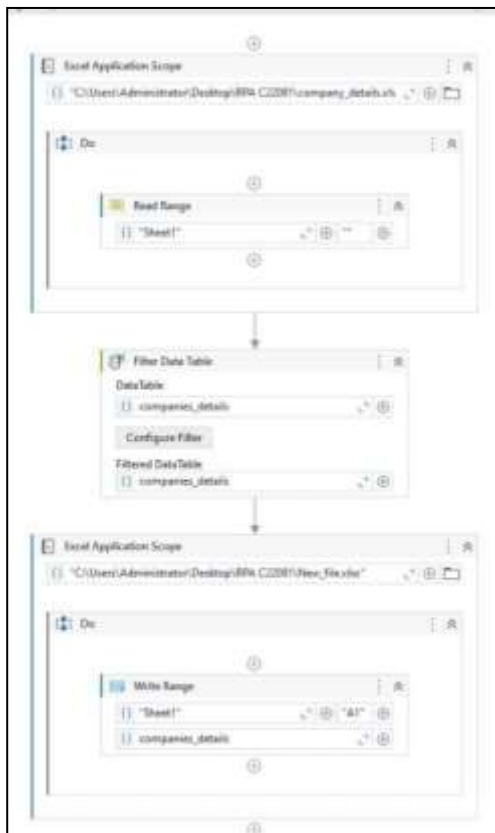
Output:



38. UiPath: Write a bot to apply filter on single data table and on two data tables

Single Data Table

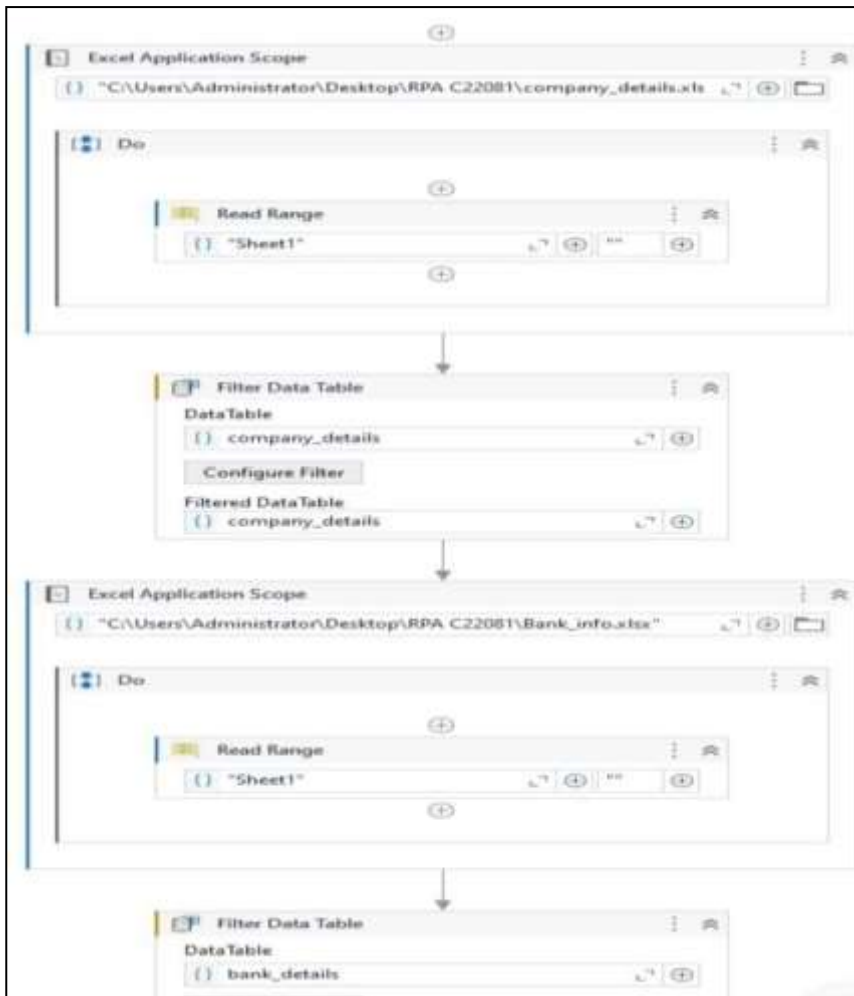
Screenshot of Bot:



Output:

The screenshot shows the Microsoft Excel interface with the 'Home' tab selected. A yellow warning banner at the top states 'POSSIBLE DATA LOSS Some features r'. The active cell is G6. The formula bar shows a formula. The spreadsheet data is as follows:

| | A | B | C | D |
|---|-----------|-------|------|---|
| 1 | Accenture | US | 1989 | |
| 2 | Infosys | India | 1981 | |
| 3 | Cognizant | India | 1982 | |

Two data table**Screenshot of Bot:**



Output:

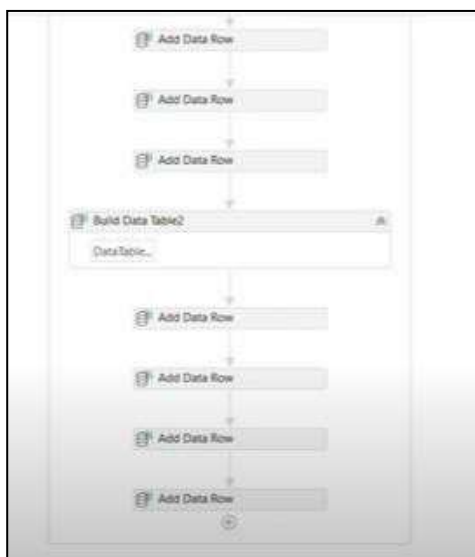
Clipboard Font

POSSIBLE DATA LOSS Some features might be lost if you save

| | A | B | C | D | E |
|---|-----------|--------|------|---|---|
| 1 | Accenture | US | 1989 | | |
| 2 | Infosys | India | 1981 | | |
| 3 | Cognizant | India | 1982 | | |
| 4 | JPMorgan | Us | 2000 | | |
| 5 | Citigroup | France | 1998 | | |
| 6 | HDFC | India | 1994 | | |
| 7 | ICICI | India | 1994 | | |
| 8 | | | | | |
| 9 | | | | | |

39. UiPath: Write a bot to demonstrate use of data tables - creating two Data Table variables and merging their values together and filtering the unwanted columns out.

Screenshot of Bot:



Output:

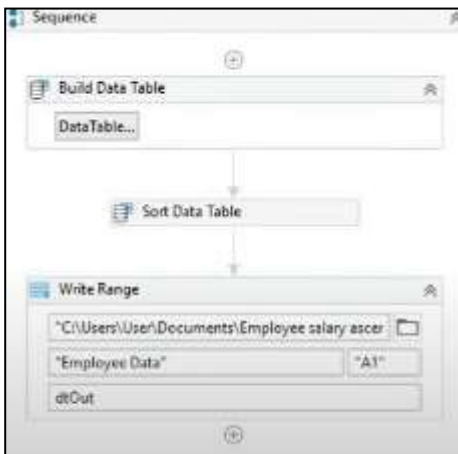


40. UiPath: Write a bot to sort data table

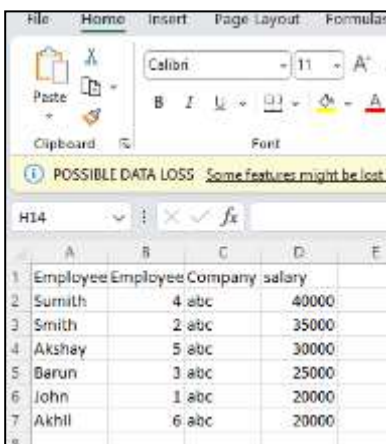
Screenshot of Bot:



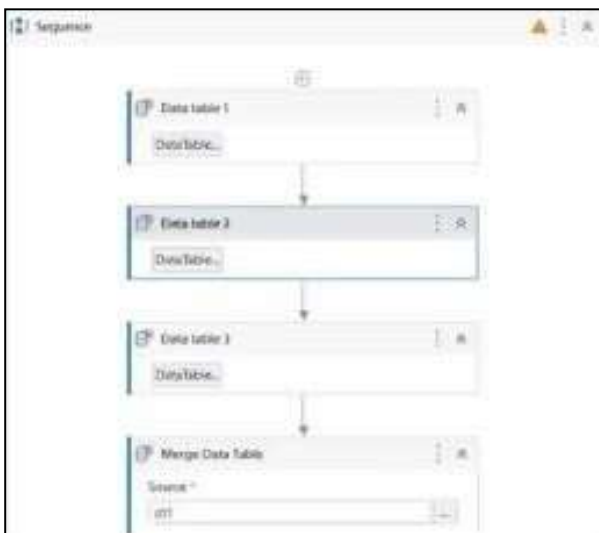
| Employee Name (String) | Employee ID (Int32) | Company Name (String) | Salary (Int32) |
|------------------------|---------------------|-----------------------|----------------|
| John | 1 | abc | 20000 |
| Smith | 2 | abc | 35000 |
| Barun | 3 | abc | 25000 |
| Sumith | 4 | abc | 40000 |
| Akshay | 5 | abc | 30000 |
| Akhil | 6 | abc | 20000 |

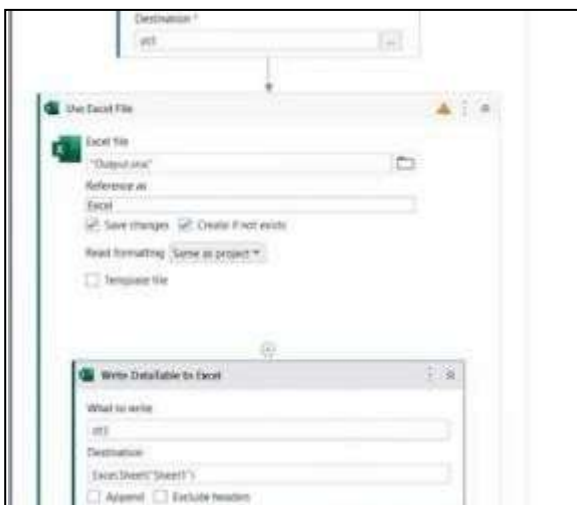


Output:




| Employee | Employee | Company | salary |
|----------|----------|---------|--------|
| Sumith | 4 | abc | 40000 |
| Smith | 2 | abc | 35000 |
| Akshay | 5 | abc | 30000 |
| Barun | 3 | abc | 25000 |
| John | 1 | abc | 20000 |
| Akhil | 6 | abc | 20000 |

41. UiPath: Write a bot to demonstrate properties of Data Table**Screenshot of Bot:**




Output:


FileHomeInsertPage LayoutFormulas



Paste



Clipboard



Calibri


11


A

B

I


U





A

Font





POSSIBLE DATA LOSS

Some features might be lost

G10

:





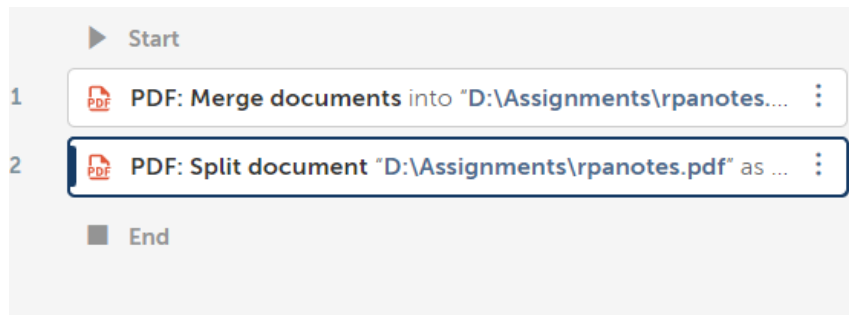
f_x

| | A | B | C | D | E |
|---|------|------------|-----------|-----|---|
| 1 | ID | Name | JOB | Age | |
| 2 | AK30 | Anitha k | RPA DEVE | 30 | |
| 3 | MT60 | Maria Tho | SCIENTIST | 28 | |
| 4 | PP50 | Peter Pull | ARCHITEC | 35 | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |

Category 5:

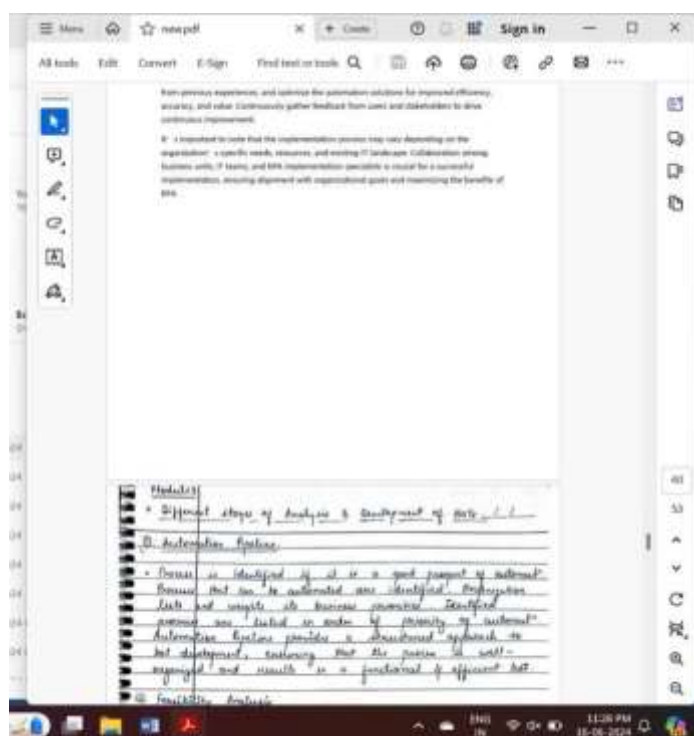
42. AA: Write a bot to demonstrate PDF actions: merge document and split document

Screenshot of Bot:



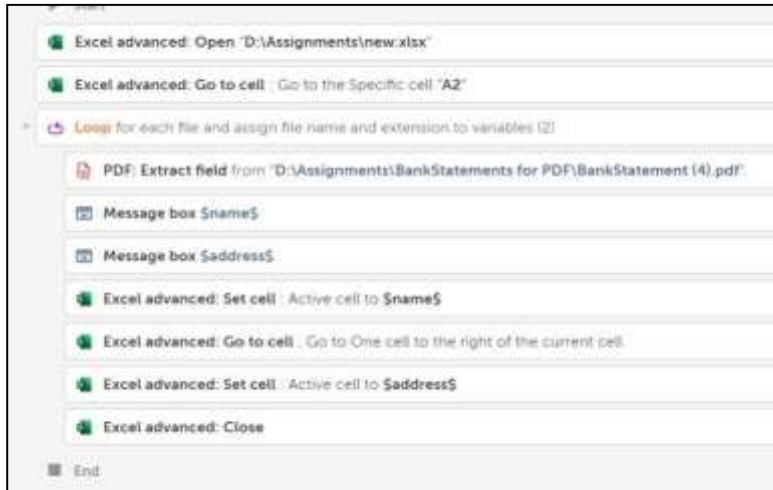
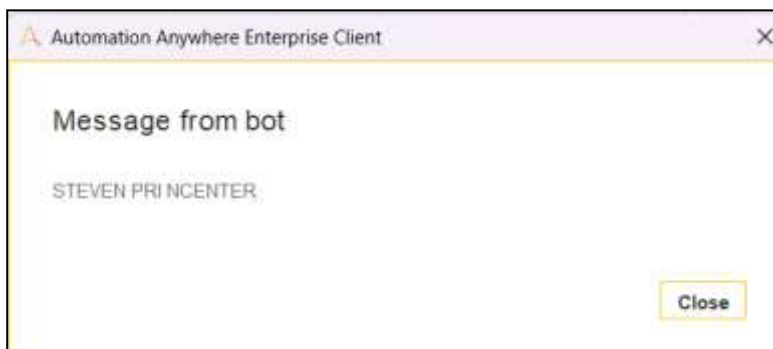
Output:

| Name | Date modified | Type | Size |
|---------------------|--------------------|------------------------|--------|
| Education 5 | | | |
| pair automation | 01-Jul-23 3:10 PM | Microsoft Edge Work... | 7 KB |
| Roobano certificate | 01-Jul-23 9:01 PM | Microsoft Edge PDF ... | 248 KB |
| RPA Best Practices | 01-Jul-23 9:03 PM | Microsoft Edge PDF ... | 253 KB |
| Split_1 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 248 KB |
| Split_2 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 11 KB |
| Split_3 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 18 KB |
| Split_4 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 24 KB |
| Split_5 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 35 KB |
| Split_6 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 40 KB |
| Split_7 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 70 KB |
| Split_8 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 48 KB |
| Split_9 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 92 KB |
| Split_10 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 43 KB |
| Split_11 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 29 KB |
| Split_12 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 26 KB |
| Split_13 | 02-Jul-23 11:53 AM | Microsoft Edge PDF ... | 34 KB |

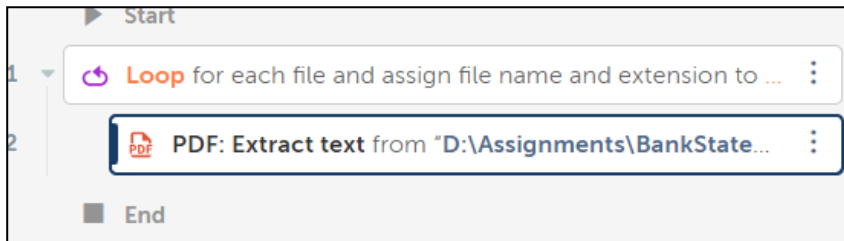
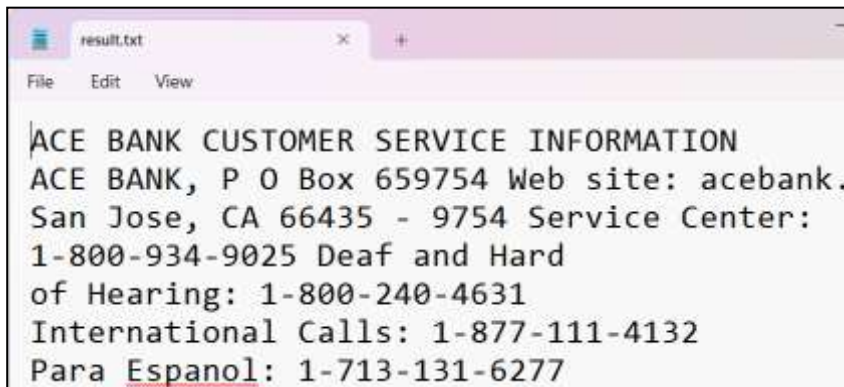
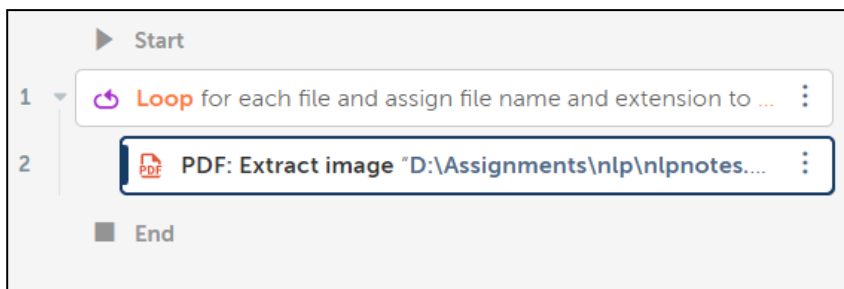


43. AA: Write a bot to demonstrate screen scraping using

- extract field
- extract text
- extract image

Extract field:**Output:**

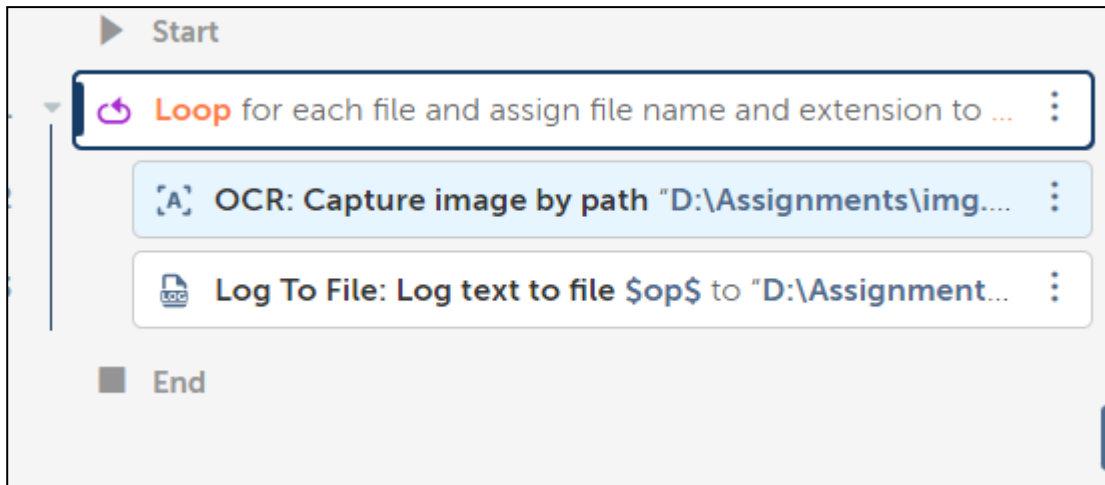
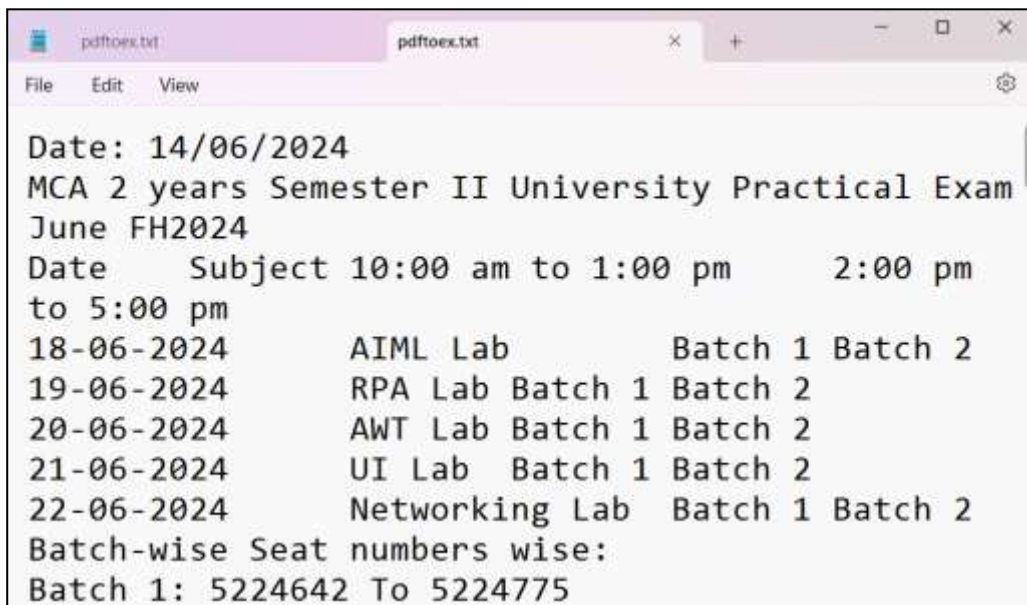
| | | | | | | |
|----|--|--------------------|---|---|---|----------------------------------|
| B2 | | | | | | 2481 SHELDEN ST APT 305 PARIS TX |
| | | A | B | C | D | |
| 1 | | name | address | | | |
| | | | 2481 SHELDEN ST APT 305 PARIS TX | | | |
| 2 | | STEVEN PRI NCENTER | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |

Extract text**Output:****Extract image****Output:**

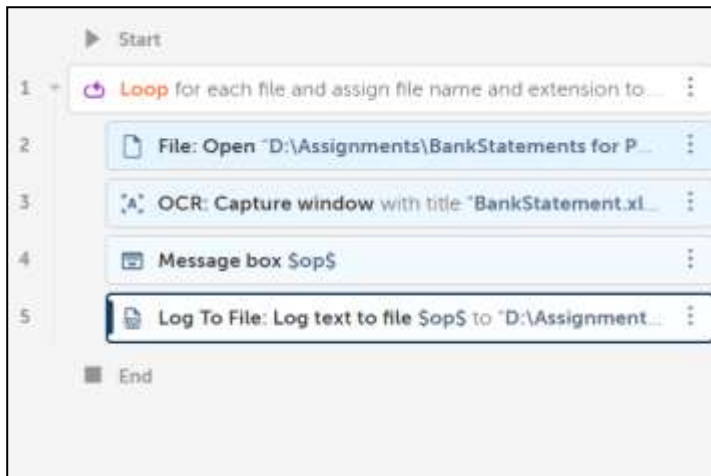
| | | | |
|----------|---------------------|---------------------|-----------|
| image_1 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| image_2 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| image_3 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| image_4 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| image_5 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| image_6 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| image_7 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| image_8 | 17-06-2024 12:27 AM | TIFF File | 15,097 KB |
| nlpnotes | 30-05-2024 10:44 PM | Adobe Acrobat D... | 397 KB |
| nlpT2 | 25-05-2024 04:59 PM | Microsoft Word D... | 1,606 KB |

44. AA: Write a bot to demonstrate screen scraping using OCR –

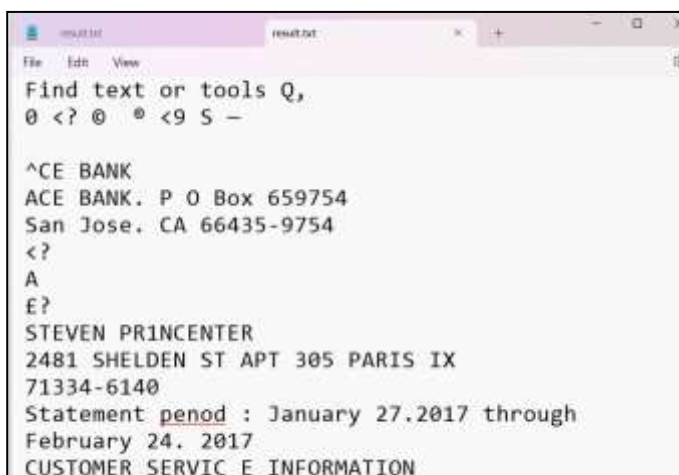
- Capture image by path
- Capture window with filter and without filter

Capture image by path**Output:**

Capture window with filter and without filter



Output:



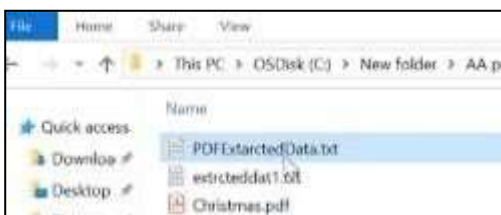
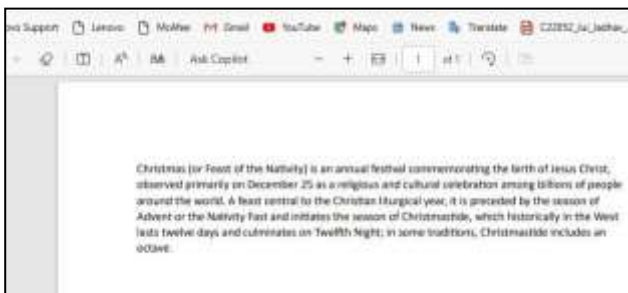
45. UiPath: Write a bot to convert PDF file into TXT file

Screenshot of Bot:

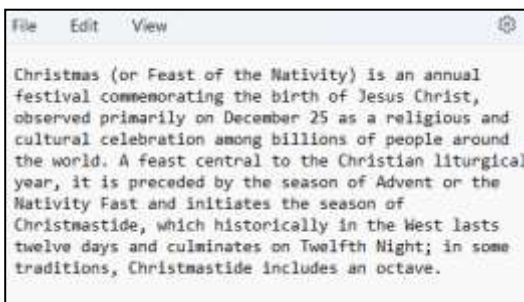


Output:

PDF



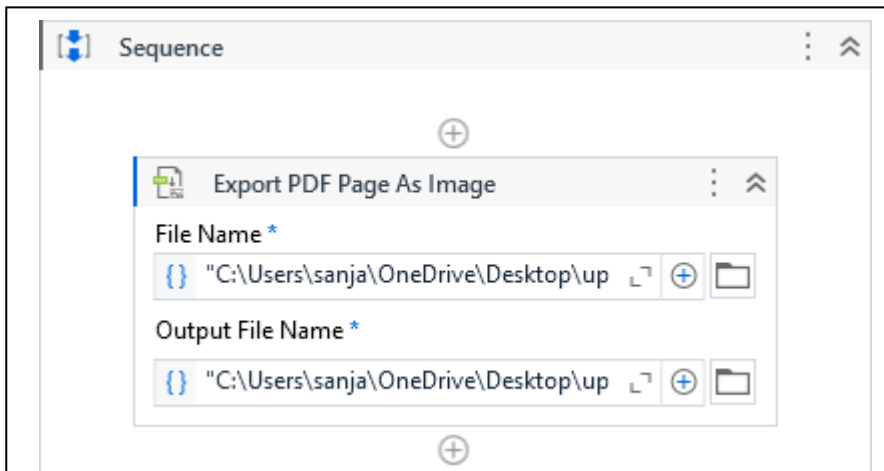
Text File



46. UiPath: Write a bot to demonstrate PDF package with following actions: Export PDF page as image, join PDF files.

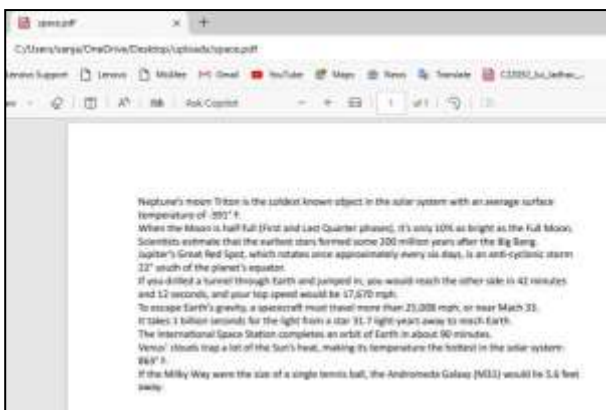
PDF as image:

Screenshot of Bot:





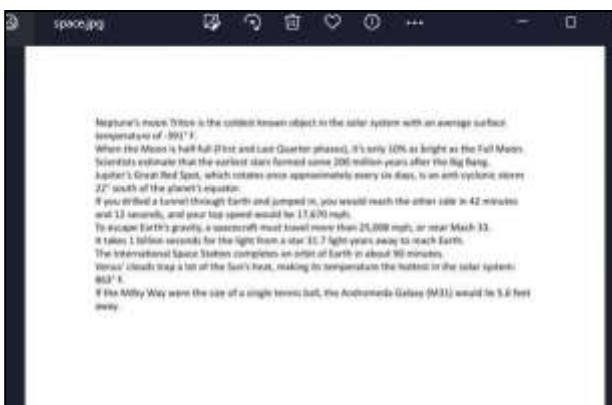
Output:

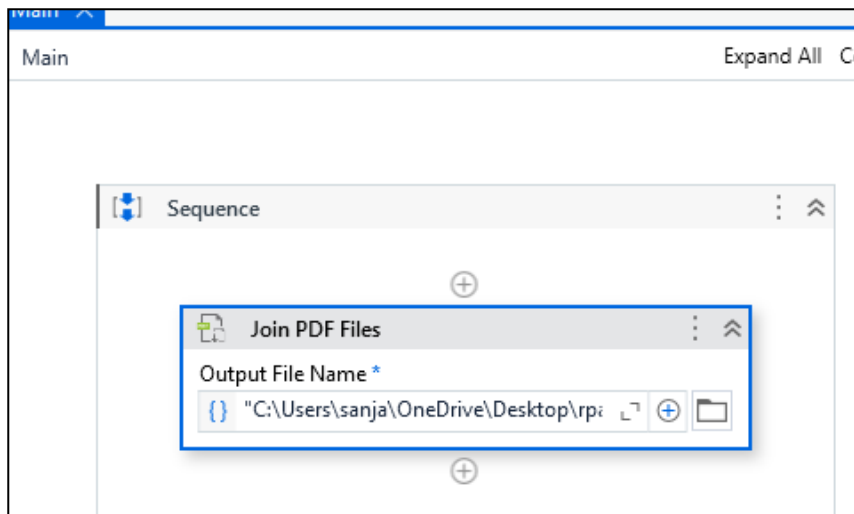
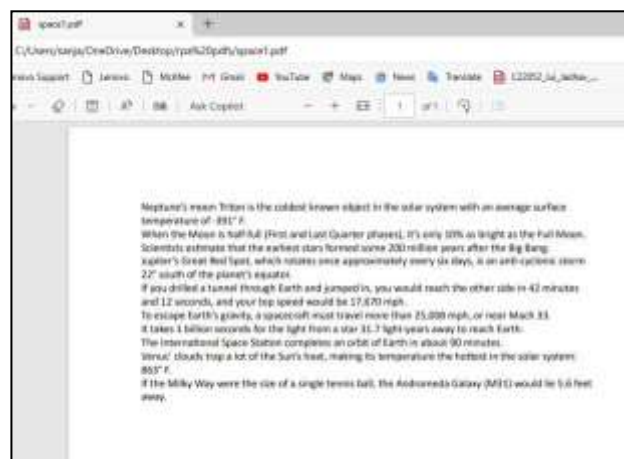
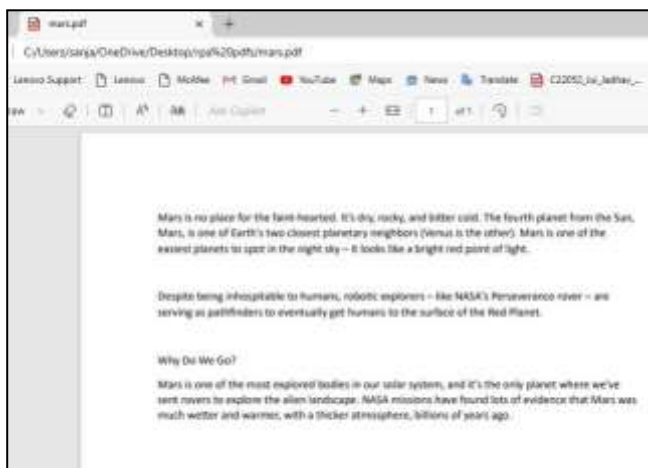
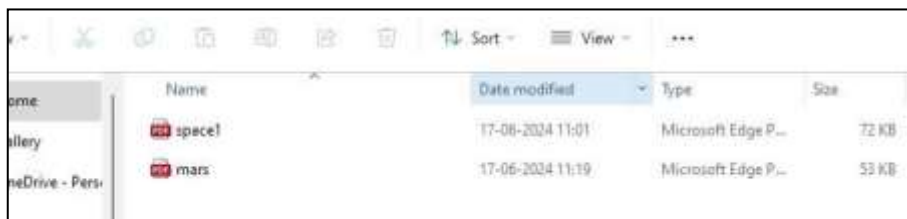
PDF






Image

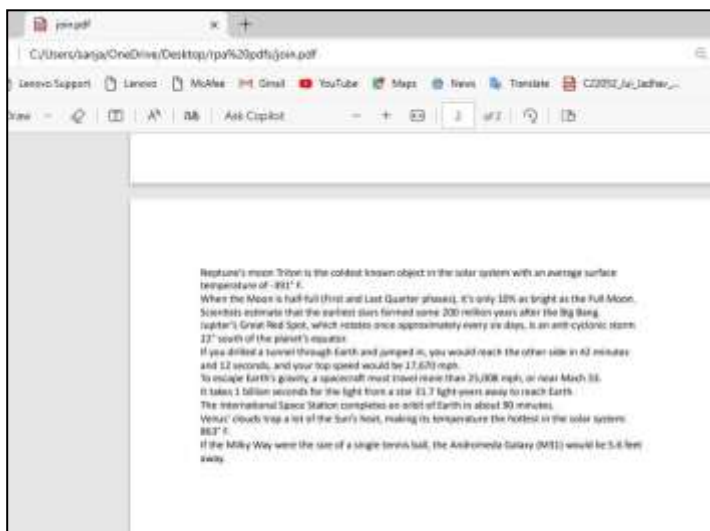
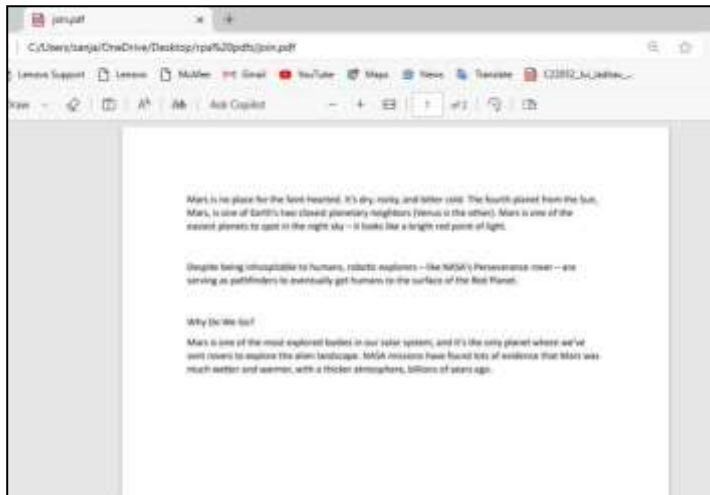
| | | | |
|---|------------------|---------------------|--------|
|  space | 17-06-2024 11:06 | JPG File | 120 KB |
|  space | 17-06-2024 11:01 | Microsoft Edge P... | 72 KB |



Join PDF files:**Screenshot of Bot:****Output:****Two pdfs**

New join PDF

| Name | Date modified | Type | Size |
|--|------------------|-----------------------------|--------|
|  join | 17-06-2024 11:26 | Microsoft Edge P... | 112 KB |
|  mars | 17-06-2024 11:19 | Microsoft Edge P... | 53 KB |
|  space1 | 17-06-2024 11:01 | Microsoft Edge PDF Document | 72 KB |



Category 6:**47. AA: Design IQ Bot using Automation Anywhere**

- a. Train the IQ bot with one instance of unstructured document invoice.tiff
- b. Select the required field to be extracted in structured documents
- c. Train the Bot & Analyze
- d. Download all extracted invoices in structure format

Screenshot of Bot:

Create Learning Instance

[Cancel](#) [Next](#)

Name:

Description (optional):

Document Type:

Language:

Locale:

Provider:

☒ Improve accuracy using validation
The system learns from user-provided changes in the Validator.

invoiceInstance

[Form fields](#) [Table fields](#)

Select required and optional fields for extraction

Field name:

| <input checked="" type="checkbox"/> | Field name | Field label | Data type | Aliases |
|-------------------------------------|-----------------|-----------------|-----------|---------|
| <input checked="" type="checkbox"/> | invoice_number | Invoice Number | Text | 69 |
| <input checked="" type="checkbox"/> | invoice_date | Invoice Date | Date | 38 |
| <input checked="" type="checkbox"/> | totalAmount | Total Amount | Number | 50 |
| <input checked="" type="checkbox"/> | contact_details | contact_details | Text | 0 |

[Show unused fields](#) [Add a field](#)

Process Document(s)

Input documents

You have selected 1 file to upload: Invoice1.tiff

5 document(s) can be uploaded at once. Accepted file sizes less than 2mb. File types: .png, .jpg, .img, .pdf, .tif, .tiff

Download data to

The device or device pool processing the documents needs access to this folder

Output:

Invoice1.tiff

Page 1 of 1

| Item No. | Description | Unit Price | Qty | Amount |
|-----------------------|------------------|------------|-----|-------------------|
| 05 1011 | Sprocket - Large | 33.50 | 15 | 502.50 |
| 05 1012 | Sprocket - Med | 18.95 | 15 | 284.25 |
| 05 1013 | Sprocket - Small | 8.90 | 15 | 133.50 |
| Subtotal | | | | 920.25 |
| Tax (0.0775%) | | | | 68.67 |
| Invoice Amount | | | | 988.92 |
| Due Date | | | | 08/01/2018 |

Fields

0 fields to validate

Show all fields

- Invoice Number: 10265
- Invoice Date: 22 Aug 2018
- Total Amount: 1,084.92
- Contact Details: Ultron Inc, 1801 Toldeo Beach Rd #1189, La Salle, MI 48145

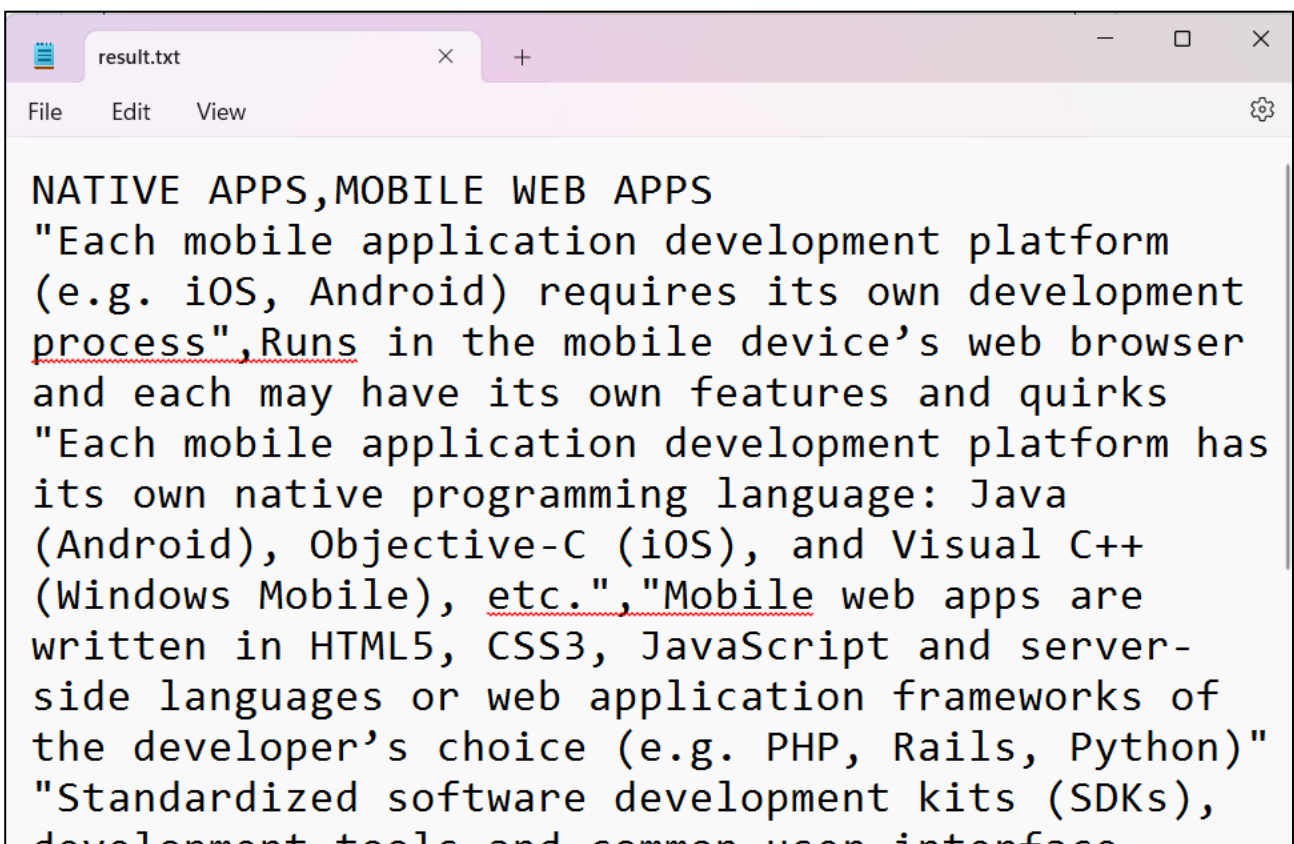
Table

| Description | Quantity | Unit Price |
|------------------|----------|------------|
| Sprocket - Large | 15 | 33.50 |
| Sprocket - Med | 15 | 18.95 |
| Sprocket - Small | 15 | 8.90 |

Buttons: Reprocess, Mark as Invalid, Submit

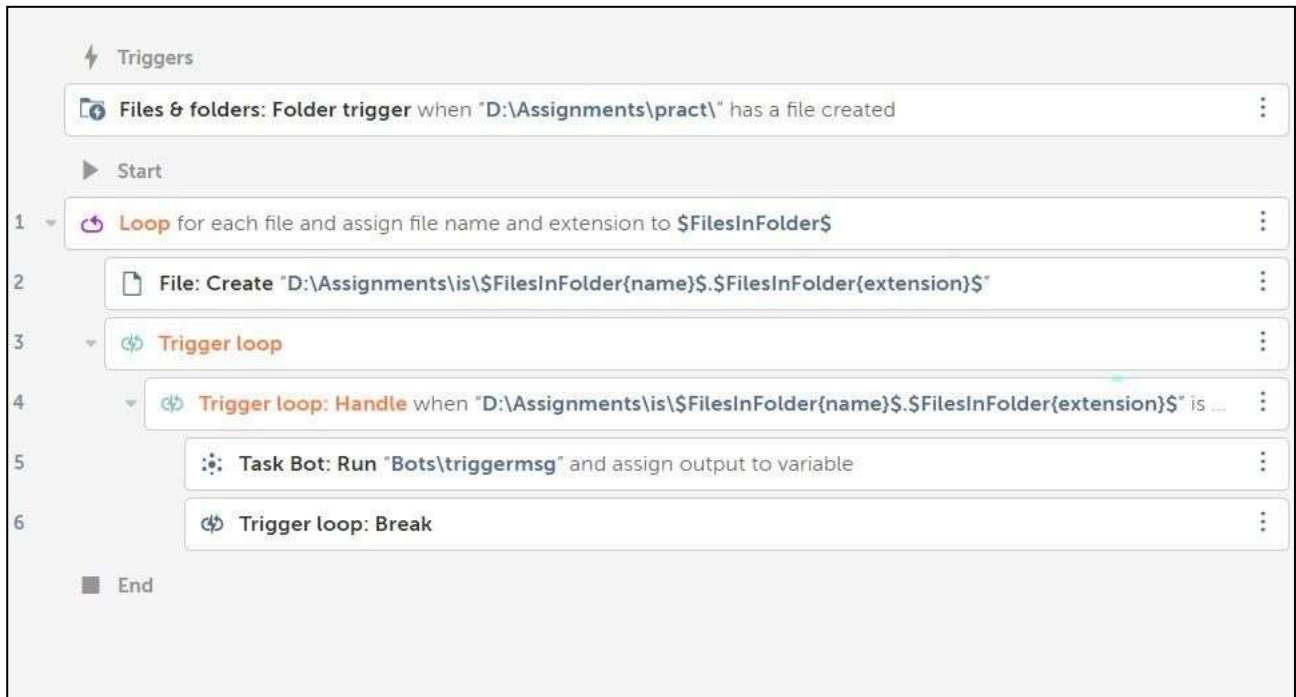
This PC > New volume (D:) > rpa > Invoices > Success

| Name | Date modified | Type | Size |
|--------------------------------------|--------------------|-----------------------|------|
| 1A9F16EA-A778-4EB2-B243-EB30A9D7B... | 5/19/2024 10:38 PM | Microsoft Excel Co... | 1 KB |
| 78B11296-B62B-4D90-BBB0-99E3A0232... | 5/17/2024 10:59 AM | Microsoft Excel Co... | 1 KB |
| 273BF968-1AB2-4BED-AE92-0CC835A66... | 5/17/2024 10:54 AM | Microsoft Excel Co... | 1 KB |
| 955EBBD7-BA55-4FAC-AC51-B53BCD72... | 5/14/2024 3:23 PM | Microsoft Excel Co... | 1 KB |

48. AA: Write a bot to scrape data from a web table and store it in a file.**Screenshot of Bot:****Output:**

49. AA: Write a bot to get a trigger fired when a file is created in a folder.

Note: Create a task bot that will get triggered on file creation and will display the message “File is created”

Screenshot of Bot:**Output:**