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Problem statement:

1. Create a Bot for Excel Automation

2. Create a Bot for PDF automation

Controls used:

1. Excel Advance: Open

2. Excel Advance: Switch to sheet

3. Excel Advance: Set cell formula

4. Excel Advance: Go to cell

5. Excel Advance: set cell

6. Excel Advance: go to next empty cell

7. Loop

8. String: trim

9. String: to number

10. If

11. Pdf: encrypt document

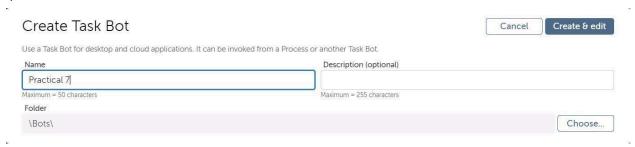
12. PdfUtils: read form fields

13. Number: Assign

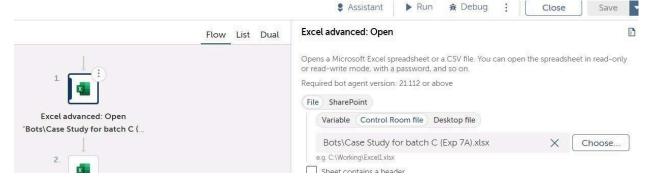
14. Dictionary: get

1. Steps to create and execute bot for Excel Automation

Step 1: Create a new bot by clicking on Home page of Automation Anywhere, Click on Create bot option. Give the bot name and click on "Create an edit".



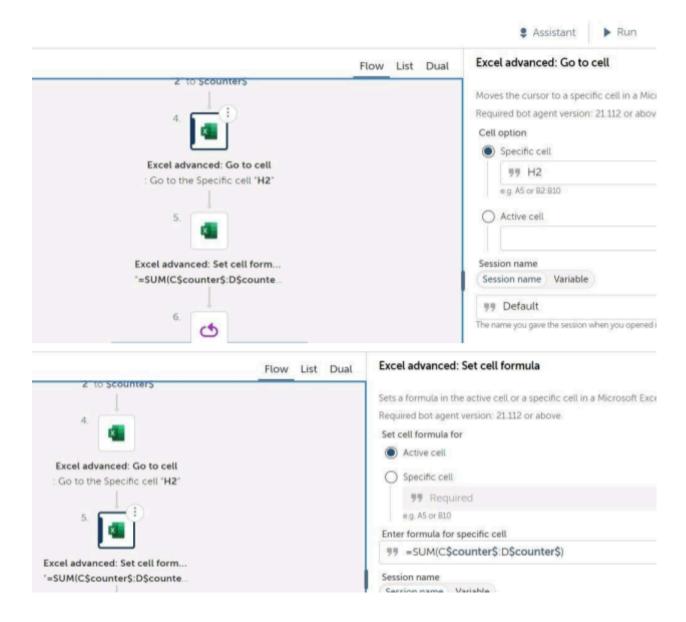
Step 2: Add Excel advance: open option to open the excel file



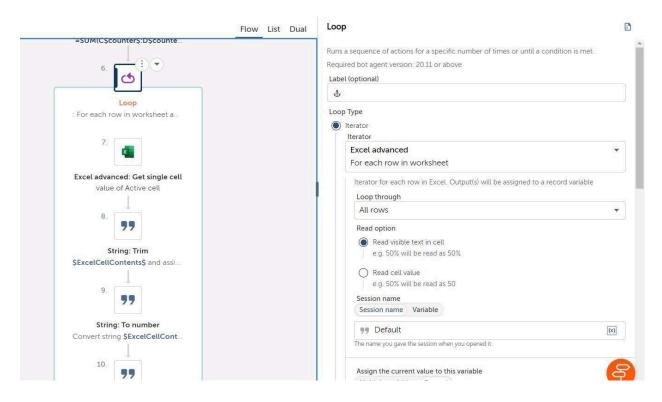
Step 3: Add Excel advance: Switch to sheet option and give the index of the sheet



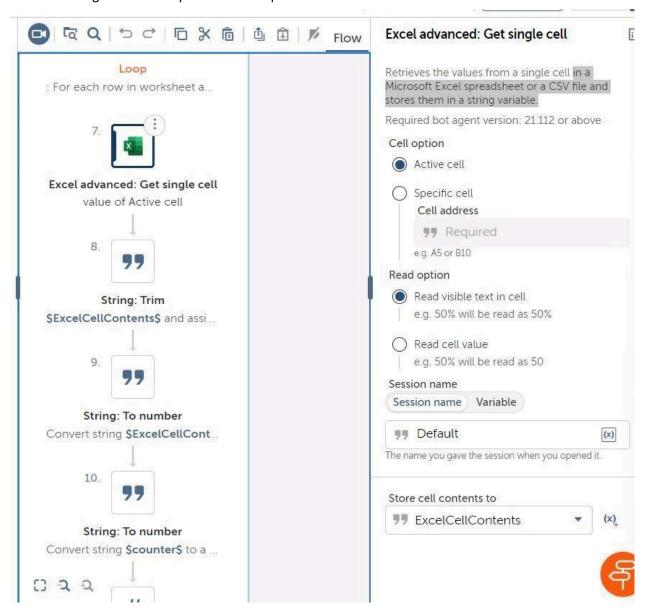
Step 4: Then go to the cell and set formula for the cell using the given action



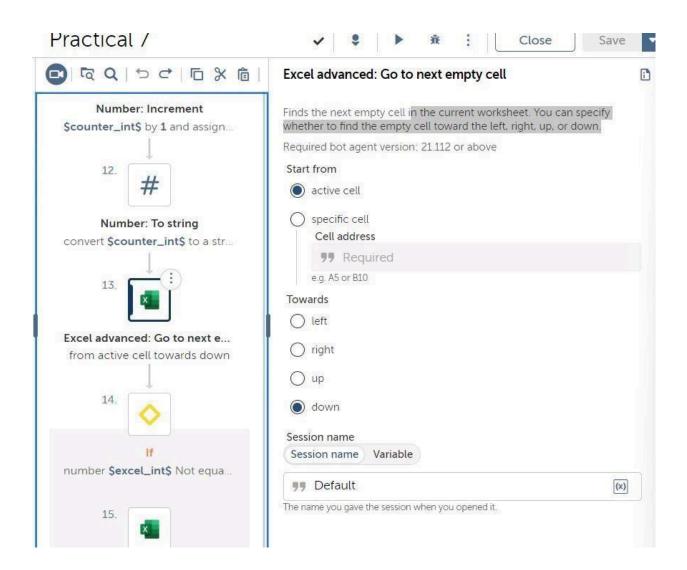
Step 5: Add a Loop for it to iterate through all the row in the sheet



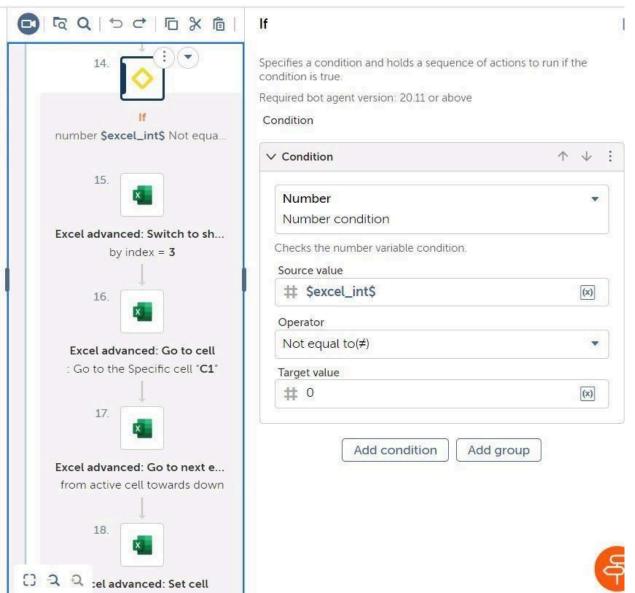
Step 6: Include Excel advance: get single cell in a Microsoft Excel spreadsheet or a CSV file and stores them in a string variable and perform the required actions on it



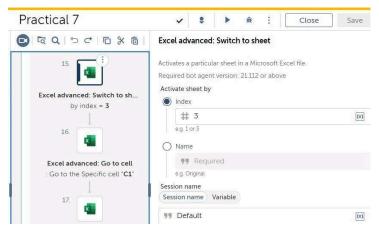
Step 7: Add Excel Advance: Go to next empty cell in the current worksheet. You can specify whether to find the empty cell toward the left, right, up, or down.



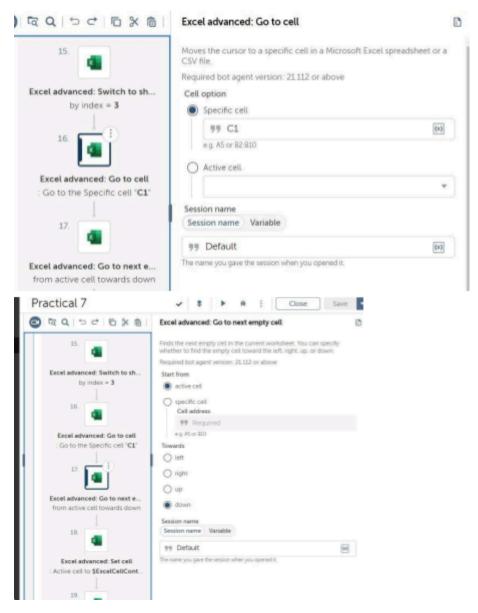
Step 8: Add If condition that specifies until it is not equal to 0 do the following actions

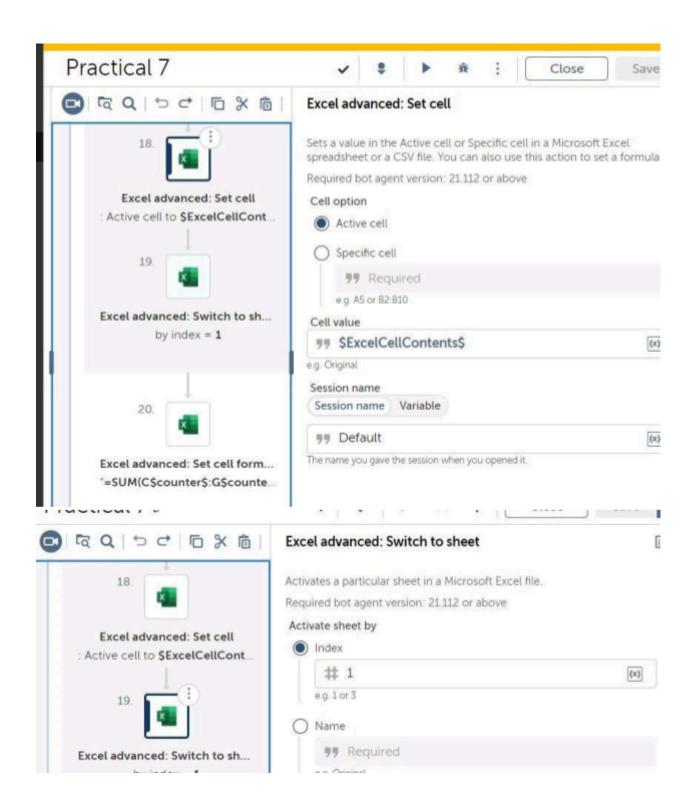


Step 9: Add Excel advance: Switch to sheet option to switch sheet

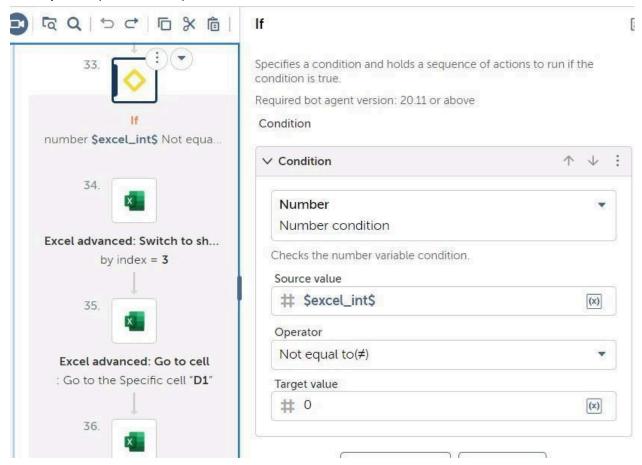


Step 10: Add steps to go to cell then to next empty cell and set the cell value and switch back again to sheet 1





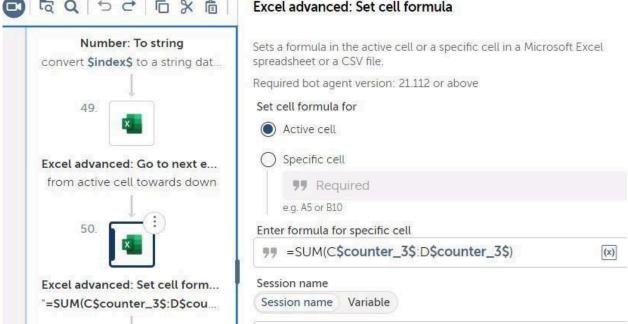
Step 11: Repeat same steps for sheet 2



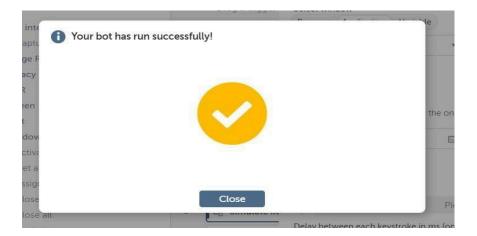
Step 12: Now go to final sheet and add set sum of all the cell using following formula

Practical /

Excel advanced: Set cell formula

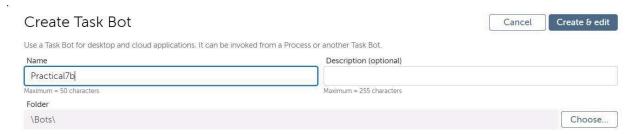


Step 13: Save and run the bot

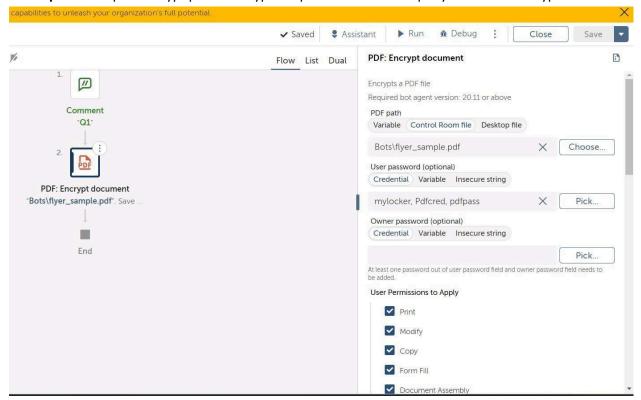


Design a bot to automate task of encrypting pdf document:

Step 1: Create a new bot by clicking on Home page of Automation Anywhere, Click on Create bot option. Give the bot name and click on "Create an edit".

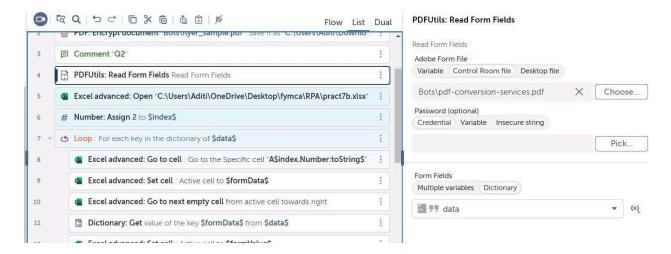


Step 2: Add a pdf: encrypt pdf to encrypt the pdf and choose the pdf you want to encrypt

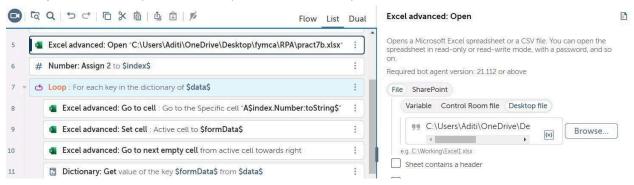


Design a bot to extract text from single pdf and store in excel sheet

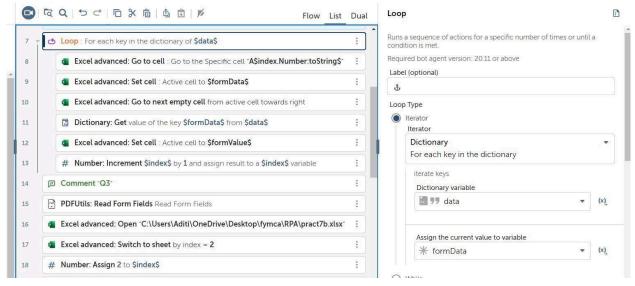
Step 1: Add PdfUtils: read form fields action to read from pdf and select the pdf you want to read from and save it in a dictionary



Step 2: Add excel:open action to open the excel sheet you want to write in



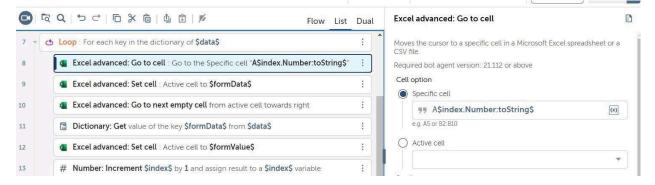
Step 3: Add loop to iterate through all the key in the dictionary



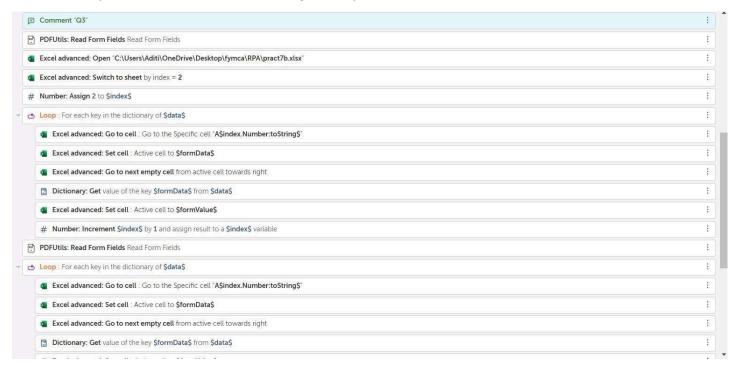
Step 4:

- Add excel advance: go to cell action to go to the specified cell you want to write in
- To set what has to be written in the cell use excel advance:set cell action and set the cell value as formdata

- Then go to next empty cell and select the direction of the next empty cell you want to goto using the excel advance:go to next empty cell action
- Then using the dictionary get action check if a key exists in a dictionary variable and returns the corresponding value
- Then using the same excel advance:set cell action and set the cell value as formValue



To Design a bot to extract text from multiple pdf and store in excel sheet repeat the same step as above question 3 times as we are reading from 3 pdf.



Conclusion:

In conclusion, this practical demonstration showcases the power and efficiency of automation, particularly within the realms of data management and document processing. By leveraging Automation Anywhere, we seamlessly streamlined the process of writing data into Excel sheets, encrypting PDFs, and extracting both single and multiple PDFs into structured Excel formats. This not only enhances productivity by reducing manual intervention but also ensures accuracy and consistency in data handling.