

EXPERIMENT - 1A

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Objective : Write the steps to use the recorder in Automation anywhere and demonstrate the same using calculator example (screen recorder)

~~Steps :~~

1. Create a new bot, click on Start recording
2. Open calculator app, refresh the drop down menu of Universal Calculator
3. Select calculator option and start the recording
4. Perform some actions on the calculator such as $8 + 2 = 10$ etc., you will notice that actions get highlighted while performing indicating that it is being recorded.
5. Click on Finish button to end recording.
6. Click on Save button on top-right corner.
7. The actions are shown in the Flow view / List view / Dual view
9. Click on Run button.

~~OUTPUT~~

After clicking on Run button, the bot performs the exact same operation that you did while recording

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EXPERIMENT - 1B

Objective - Write the steps to record the instructions in a Web browser

Steps :

1. Click on Start Recording .
2. Open the website that you want to record.
3. Select the respective website from the Universal Recorder dropdown and start the recording.
4. Click on the elements of website , the recorder records it .
5. End recording
6. Save and run .

~~OUTPUT~~

The actions are reperformed by the bot .

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EXPERIMENT-2

Objective - Write the steps to perform reading from a CSV file.

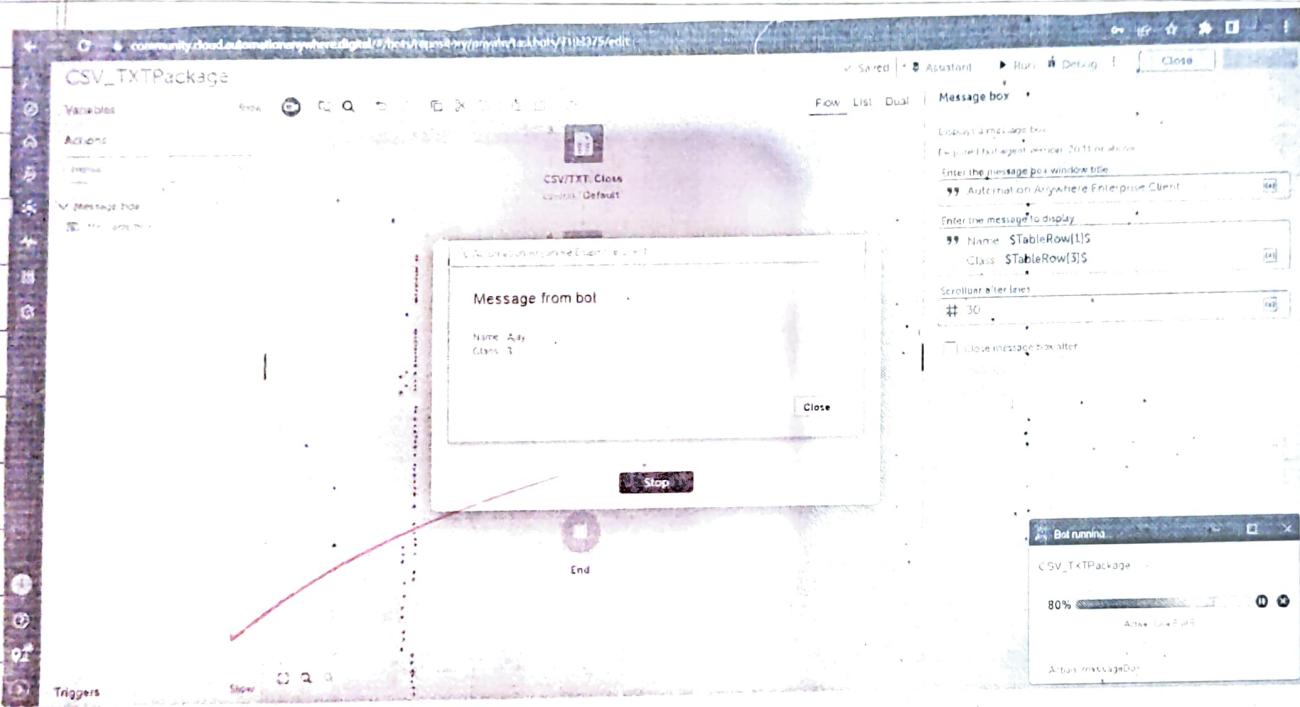
Steps

1. Create a new bot, search for CSV in actions.
2. Drag and drop the CSV file open under the Start icon.
3. On the right hand section, upload a .csv file under file path via control room or desktop file.
4. If your file contains header, check the Header option.
5. Choose the delimiter respective to your CSV file comma/ tab etc.
6. Check the trim leading spaces and trim trailing spaces.
7. Now drag and drop the CSV file read.
8. Click on (x) under assign value to variable and choose Table From CSV.
9. Drag and drop CSV file close.
10. Search for Loop action and drop it under CSV close.
11. Select data table under iterator and variable TableFromCSV.
12. Assign TableRow.
13. Drag drop MessageBox. Enter message
14. Save
15. Run

D	D	M	M	Y	Y	Y	Y

Result :

The respective row and column information is displayed



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EXPERIMENT - 3

Objective - Write the steps to read from excel and demonstrate the same.

1. Steps :

1. Search for Excel in actions , select Excel advanced open and drop within the trigger.
2. Browse your Excel file and upload from Desktop file or Control room.
3. Drag and drop Get Multiple Cells from left panel.
4. Select a range of rows or select all rows.
5. Select the radio button read visible text in cell and give a session name.
6. Create a variable of type Table, check use as input , click Create and select.
7. Select and drop down Loop , under iterator select DataTable and table variable Excel Sheet Data.
8. Create record variable (Table Row) , click on create and select.
9. Drag and drop message box , in right panel select the TableRow from drop down beside 'Enter message to display'.
10. Give the columns required in the dialog box and Save.
11. Save and Run .
12. Confirm the dialog box.

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Result :

All the column and all the cell values will be displayed row by row.

The screenshot shows a Microsoft Excel window titled "Sample Spreadsheet 10 rows (Compatibility Mode) - Excel (Product Activation Failed)". The spreadsheet contains data in columns A through H. A message box titled "Message from bot" is overlaid on the screen, displaying the following text:

From Bot
1. T-DBP-192
2. Chandra Pran
3. P-201
4. P-202
5. P-203
6. P-204
7. G-E-Pranjal
8. Arpita Pran
9. SATCO Model
10. SATCO Data
11. Arpita Pran

The message box has a "Close" button at the bottom right. In the bottom right corner of the Excel window, there is a small "But now" window with the text "Excel" and a progress bar set at 75%.

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EXPERIMENT - 4

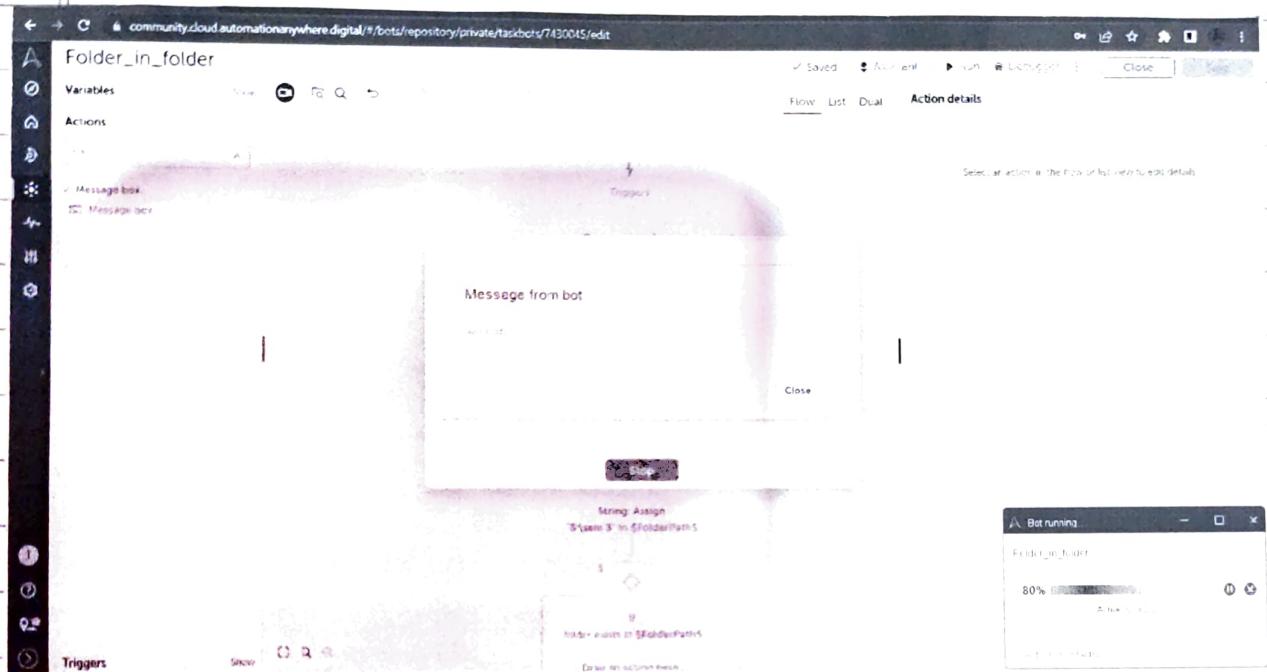
Write the steps to display folder inside a folder in Automation anywhere and demonstrate

1. Create a folder in your PC.
2. Create another folder inside that place some files in it
3. Create a new bot in automation anywhere
4. Drag and drop comment box and give some comment
5. From the variables left pane, create new variable of type string and give some name eg "FolderPath"
6. From actions, drag and drop String Assign and in the right panel select the created variable name under destination string variable
7. Give the folder location in the panel above destination ("source string variable")
8. Drag and drop if condition and in right panel, select condition "Folder exists". Select the created variable in Folder path.
9. Drag and drop Loop, under iterator select For each folder in folder, folder path as create variable and create new variable name
10. Drag and drop Message box, enter message to display, select the created folder name from drop down.
11. Save and Run.

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Result :

The folder inside folder's name is displayed in the message output.



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EXPERIMENT - 5

Write the steps to display file names and paths inside the folder

1. In the bot created in experiment 4, drag and drop the Loop operation below the message box.
2. From the right panel, select Folder (for each file in folder) from the drop down.
3. Select the folder path and folder name variable that you created in the previous experiment.
4. In variable mapping, click 'add variable mapping'.
5. Create a variable named 'Filename' for key 'name'.
6. Again create a variable named 'Fileextension' for key 'extension'.
7. Drag and drop Message Box below Loop and in the message to display box, add the variables Filename and Fileextension.
8. Save and run the bot.

Result

The bot first shows the folder name and then the bot shows the file name and extension of the file inside the folder.

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EXPERIMENT - 6A

Write the steps for Advanced String Manipulation (Extract, Find commands) and demonstrate the same

1. Drag and drop string Assign and enter some text with amount and pincode in the 'select the source string variable in the right panel textbox.'
2. In the ~~destination~~ string variable, create a new variable named 'prompt-assignment'.
3. Drag and drop string Extract text and click on it in the right panel.
4. In the source string, select 'prompt-assignment' and click on yes.insert.
5. Select the 'Before and/or after' radio button and give start after text as the first word of sentence from step 1 and End before text as the word after the value.
6. Create a variable sAmount in Assign output to \$ variable.
7. Drag and drop Message Box and in enter message to display write some text such as 'Amount Due and select the sAmount variable.
8. Save and Run

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EXPERIMENT 6-B

Write the steps to find command (zip-code) from a string.

1. Drag and drop the string : Find command below String: Assign.
2. In the source string, select 'prompt-assignment'
3. In the find string, write \d6 for 6 digit zip code and select a regular expression radio button.
4. Create a variable say nZipPosition and give it as Assign the the output.
5. Drag and drop String: substring below and select source string 'prompt-assignment', start from nZipPosition
6. Assign output to variable 'sZipCode'
7. In the message box, write ZipCode and select the variable sZipCode

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EXPERIMENT - 7

Write the steps for E-mail automation (OTP generator) and demonstrate the same.

1. Drag and drop Email:Send option from Actions tab .
2. Go to myaccount.google.com > Security > App passwords and generate passcode for Mail. Note the passcode
3. Create two variables : a generatedOTP variable of type Random and pwd variable for storing password key.
4. Drag and drop the Number package from Actions and define beginning and end of range and select save the outcome to variable generatedOTP.
5. Now enter the details such as To address ,Subject in the Email:send command . In the message field enter the generatedOTP variable (convert to String).
6. Enter your email in username and pwd variable in password.
7. Drag and drop message box and enter message like "Email sent and OTP generated \$generatedOTP. NumberToString \$"
8. Save and Run

D	D	M	M	Y	Y	Y	Y

OUTPUT

Email with random OTP will be sent to designated emails and message will be displayed in message box

EXPERIMENT-8

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Write the steps to extract text, field and property from PDF and demonstrate the same.

1. Drag and drop ExtractField from PDF action.
2. In the right panel choose the PDF path, browse the selected PDF.
3. Click on open PDF viewer and browse the same path click on Load.
4. The pdf is loaded, click on top left icon to select a region of pdf.
5. Click on add custom region and give some key name (say app) and close.
6. Similarly, draw one more region, add custom region, give key name (say comment) and close.
7. Choose dictionary variable under output variable, create a variable named Extracted Fields, create and select.
8. Drag and drop message box, In display message box, enter key-value pair with the help of Extracted Fields variable.

D	D	M	M	Y	Y	Y	Y

9. Drag and drop extract text from PDF . Browse a desktop file or control room for PDF.
10. Enter the location of output file to export data to.
11. Drag and drop PDF: Get Property.
12. choose the PDF file , assign PDF properties to dictionary variable .
13. Select Extracted Fields variable in drop down.
14. Drop Message box, display message as
Filename : \$ ExtractedFields{pdf Filename} \$
15. Run the bot

D D M M Y Y Y Y

OUTPUT

First message box showing the text of region selected

Second message box showing pdf File name.

The output of pdf file gets written to the text file assigned.