RPA For Excel Commands

Q1. To automate the task of extracting the data from an Excel File according to some condition and storing the extracted data in another File.

Step 1: Select Action Excel Advanced: Open

a) Provide Session Name: Session1

b) Provide File Path as Desktop File and Browse the path "C:\Desktop\RPA\Sales.xlsx"

Step 2: Select Action Excel Advanced: Open

a) Provide Session Name: Session2

b) Provide File Path as Desktop File and Browse the path 'C:\Desktop\RPA\SalesOutput.xlsx"

Step 3: Select Action Excel Advanced: Get single cell

a) Provide specific cell address F10

b) Store cell contents to variable Date Ordered: $OrderDate$

Step 3: Select Action Message: Message Box

a) Enter the message to display $orderdate$

b) Store cell contents to variable $orderdate$

Step 4: Select Action Excel Advanced: Get multiple cells

a) Assign to a data table variable $ExcelRows$

b) Provide Session Name: Session1

Step 5: Loop: For each row in table

a) Iterate for each row in table variable $ExcelRows$

b) Assign the current row to this variable $SalesRow$

Step 6: If: String Condition

a) Provide source value $SalesRow[6]$ 'Order Status'

b) Provide Operator (=)

c) Provide Target Value as 'Shipped'

Step 6.1: Select Action Number: Increment

a) Enter number variable i

b) Enter increment value '1'

c) Assign the output to variable i

Step 6.2: Select Action Excel Advanced: Set cell

a) Provide specific cell A$i.Number:toString$

b) Provide cell value $SalesRow[0]$

c) Provide Session Name: Session2

Step 6.3: Select Action Excel Advanced: Set cell

a) Provide specific cell B$i.Number:toString$

b) Provide cell value $SalesRow[1]$

c) Provide Session Name: Session2

Step 6.4: Select Action Excel Advanced: Set cell

a) Provide specific cell C$i.Number:toString$

b) Provide cell value $SalesRow[2]$

c) Provide Session Name: Session2

Step 6.5: Select Action Excel Advanced: Set cell

a) Provide specific cell D$i.Number:toString$

b) Provide cell value $SalesRow[3]$

c) Provide Session Name: Session2

Step 6.6: Select Action Excel Advanced: Set cell

a) Provide specific cell E$i.Number:toString$

b) Provide cell value $SalesRow[4]$

c) Provide Session Name: Session2

Step 6.7: Select Action Excel Advanced: Set cell

a) Provide specific cell F$i.Number:toString$

b) Provide cell value $SalesRow[5]$

c) Provide Session Name: Session2

Step 6.7: Select Action Excel Advanced: Set cell

a) Provide specific cell G$i.Number:toString$

b) Provide cell value $SalesRow[6]$

c) Provide Session Name: Session2

Step 6.8: Select Action Excel Advanced: Save workbook
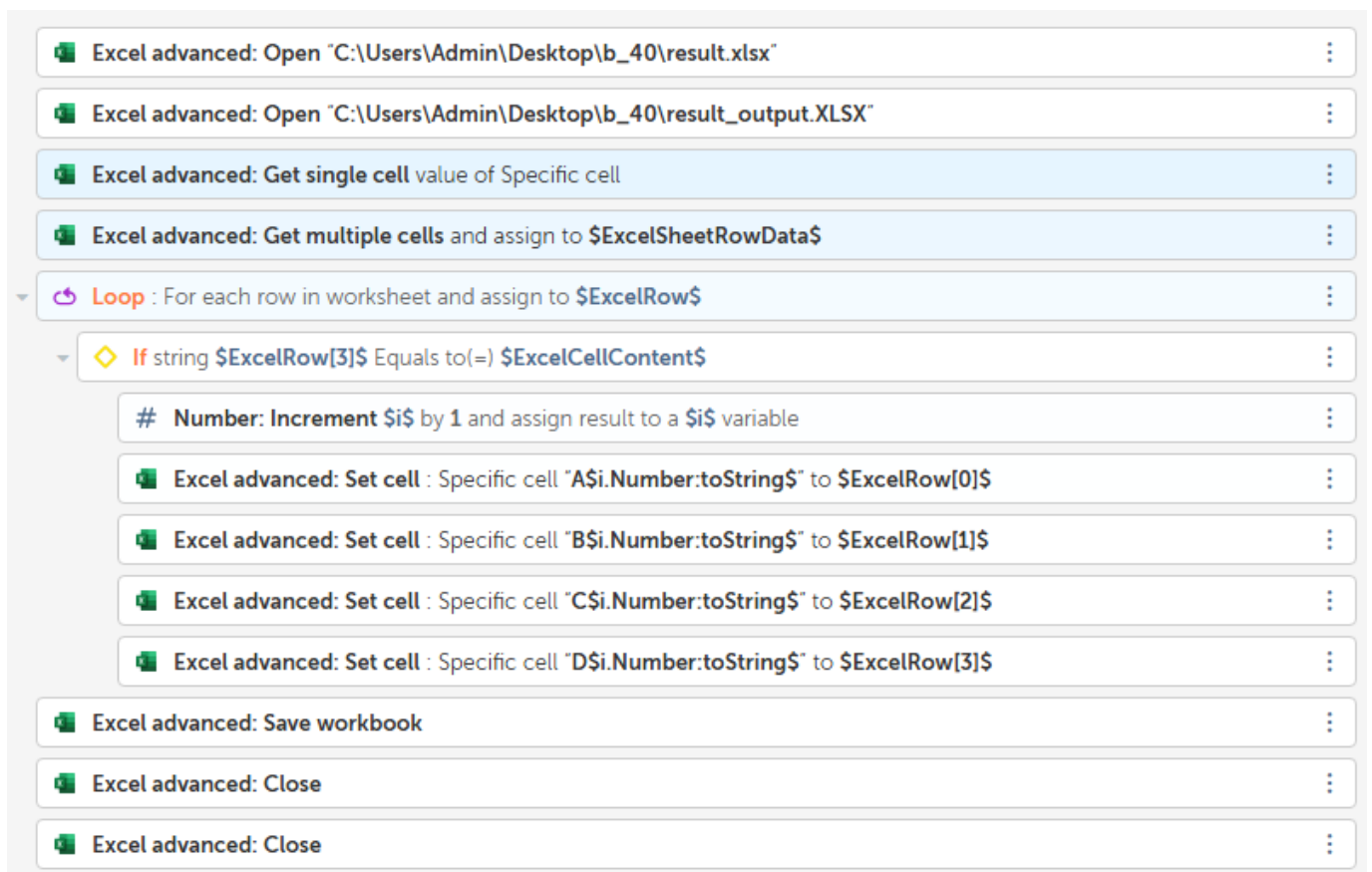
   a)   Provide Session Name: Session2

Step 6.9: Select Action Excel Advanced: close

   a)   Provide Session Name: Session1

Step 6.10: Select Action Excel Advanced: close

Provide Session Name: Session2

Flow:

Excel advanced: Open "C:\Users\Admin\Desktop\b_40\result.xlsx"	⋮
Excel advanced: Open "C:\Users\Admin\Desktop\b_40\result_output.XLSX"	⋮
Excel advanced: **Get single cell** value of Specific cell	⋮
Excel advanced: **Get multiple cells** and assign to $ExcelSheetRowData$	⋮
↻ **Loop** : For each row in worksheet and assign to $ExcelRow$	⋮
◇ **If** string $ExcelRow[3]$ Equals to(=) $ExcelCellContent$	⋮
# **Number: Increment** i by 1 and assign result to a i variable	⋮
Excel advanced: **Set cell** : Specific cell "A$i.Number:toString$" to $ExcelRow[0]$	⋮
Excel advanced: **Set cell** : Specific cell "B$i.Number:toString$" to $ExcelRow[1]$	⋮
Excel advanced: **Set cell** : Specific cell "C$i.Number:toString$" to $ExcelRow[2]$	⋮
Excel advanced: **Set cell** : Specific cell "D$i.Number:toString$" to $ExcelRow[3]$	⋮
Excel advanced: **Save workbook**	⋮
Excel advanced: **Close**	⋮
Excel advanced: **Close**	⋮

Output:

result.xlsx

A	B	C	D
Roll No	Name	Examination	Result
1	Omkar Pendkalkar	MCA	Passed
2	Prathamesh Shinde	BCA	Failed
3	Ashish Singh	NPTEL	Failed
4	Shivam Patil	MCA	Passed
5	Manas Pemmi	Bsc. CS	Passed

result_output.xls file

A	B	C	D
1	Omkar Pendkalkar	MCA	Passed
4	Shivam Patil	MCA	Passed
5	Manas Pemmi	Bsc. CS	Passed

Your bot has run successfully!

Close