**How to read and write cell from excel using UiPath**

Uipath Excel activities:

* Read cell
* Write cell
* Read range with Specific index
* Read range on full sheet
* Iterating over Data table using for each row

Open uipath->select **FirstDemo1Process** project->select project->right click on **FirstDemo1Process**

->select add->select Flowchart->Name: **Excelrobot**->select create

Select Activity->search sequence->select **Sequence**->drag and drop **Sequence** to the flowchart->double click on **Sequence**->Rename: **Excel Basics**

Select Activity->search **excel** ->select **Excel Application Scope**->drag and drop **Excel Application Scope** to the + drop activity here->give Workbook path: “location of the excel file path”

Select Activity->search **read cell** ->select **Read Cell**->drag and drop **Read Cell** to the + drop activity here

->in the Read Cell->give the sheet number and cell number which to read

-> Select Read Cell container->the value in the cell number is store in the Properties->Output Result variable press **ctrl + k**-> Output Result: **rc** ->then give enter

Select Activity->search **write line**->select **Write Line**->drag and drop **Write Line** to the + drop activity here

->select Write line->put the variable in Text: **rc**

Select Activity->search **write cell**->select **Write Cell**->drag and drop **Write Cell** to the + drop activity herebetween **Read Cell** and **Write Line**->give the sheet number, cell number , text which to write

To run the workflow First join with Start then select dropdown Debug file->select Run File

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**Read range with given boundaries in excel using Output Data Table**

Read range is how much range it have to read

Select Activity->search **read range**->select **Read Range**-> drag and drop **Read Range** to the + drop activity herebetween **Write Cell** and **Write Line**->give the sheet number and range of cell number which to read

Select **Read Range** container->the value in the cell number is store in the Properties->Output Data variable press **ctrl + k**-> Output Data: **rr** ->then give enter

Select Activity->search **write line**->select **Write Line**->drag and drop **Write Line** to the + drop activity here

->select Write line->put the variable in Text: **odt**

Select Activity->search **output data**->select **Output Data Table**-> drag and drop **Output Data Table** to the + drop activity herebetween **Read Range** and **Write Line**->give the sheet number and range of cell number e.g. "A2:B3" which to read->if the range of cell number is kept blank e.g. "" then it will read complete excel data

->Select **Output Data Table** container->the value in the cell number is send as Input and store as Output in the Properties-> Input DataTable: **rr** ->then give enter

Select **Output Data Table** container->the value in the cell number is send as Input and store as Output in the Properties-> Output Text variable press **ctrl + k**-> Output Text: **odt** ->then give enter

To run the workflow First join with Start then select dropdown Debug file->select Run File

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**How to Iterate over Data Table and extract values**

Select Activity->search **for each row**->select **For Each Row**-> drag and drop **For Each Row** to the + drop activity here ->give ForEach: **row** and In**: rr**

Select Activity->search **write line**->select **Write Line**->drag and drop **Write Line** to the + drop activity here in the Body section of the **For Each Row** container

->Select **Write Line** container->Text: row(“of\_column\_number”).ToString

To run the workflow First join with Start then select dropdown Debug file->select Run File

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