

# UIPath Guide PDF

1). How to get name of process:

Ans:- `System.Diagnostics.Process.GetProcessesByName("Chrome")`

2). To Get total number of processes

Ans:- `System.Diagnostics.Process.GetProcessesByName("EXCEL").Count > 0`

3). How to select specific rows from a Data Table

Ans:- Method 1 - When there is no space in column name

```
Array_1 = ExtractDataTable.Select("Type = 'WI5' and Status = 'Open'")
```

Type and Status are columns of DT and it returns the output in form of an array not DT.

Method 2 - for spaces in the column name

```
dt.Select("[Blood Group] = 'B-ve' AND [Age] > 50 AND ([City] ='Hyderabad' OR [City] ='Pune' )").CopyToDataTable
```

4). When you publish your package, you need to update it in Process section in Orchestrator. Only then its available for use in all robots.

5). Default type into- Just types it like a human being by opening a window

Simulate Type into - It just removes formatting from text and types everything in one line

Windowed

6). How to find #Common and #Uncommon values between two #Lists?

Ans:- Try this...

#Common

```
List<int> one = new List<int>() {1, 3, 4, 6, 7};
```

```
List<int> second = new List<int>() {1, 2, 4, 5};
```

```
foreach(int r in one.Intersect(second))
```

#Uncommon

```
int[] one = new int[] { 1, 2, 3, 4 };
```

```
int[] second = new int[] { 2, 3, 5, 6 };  
foreach(int r in one.Except(second))  
  
or  
foreach(int r in second.Except(one))
```

7). How to get outlook mail via mail address

Ans:- "[senderemailaddress]=contact@dotnetbasic.com"

To get outlook mail via user name

"[FROM]='Miller'"

8). How to get count of a specific repeating words.

Ans:-  $\text{Repetition\_count\_Double} = (\text{Output\_String.Length} - \text{Output\_String.Replace("Outlook", "").Length}) / \text{"Outlook".Length}$

explanation - "aa bb cc dd aa ff"

$\text{Output\_String.Length} = 12$

$\text{Output\_String.Replace("aa", "").Length} = 8$

subtraction = 4

dividing by actual "aa".length =  $4/2 = 2$

2 is number of times "aa" is in string.

9). How to get data from a list when select one is not working

Ans:- 1) Use Get Attribute Activity and get the "items" attribute of the dropdown list.

2) Output will be a Array

3) Just search the Array, if array item contains "Corporation - 157075" then use that in select item Activity

10). Use Convert.ToByte(Str) to convert any string or char to bytes

Ans:- eg Convert.ToByte("A"c)

o/p = 65

11). To Split Text use below

Ans:- `-Text1.Split ({ "\n",system.Environment.NewLine },StringSplitOptions .None ) -- new line split.`

`-Conf_id.ToString.Split(" "c) -- character Split`

`-Clientinfo.Split({"Client ID: ","Client Name: ","Client Country: "},StringSplitOptions.None) --`

Multiple Split

`-Clientinfo.Split("Client ID: ",StringSplitOptions.None) -- Single`

12). How to get the file list in a directory

Ans:- `Directory.GetFiles("address")`

`Directory.GetDirectories("InvoiceDemo\Invoice files", "*", SearchOption.AllDirectories).Count()`

13). How to color a specific cell in excel

Ans:- a. To get actual row index of the cells to be colored :- Assign StrIndex =  
`(dtTable1.Rows.IndexOf(row)+2).ToString`

b. Use SET RANGE COLOR activity.

c. In Properties :- Color - System.Drawing.Color.Yellow

Range - `"A"+strIndex+":C"+strIndex`

14). How to check if a string is empty or not-

Ans:- `NOT String.IsNullOrEmpty(row("Name").ToString.Trim)`

above will return true or false

15). UiPath robot save execution files here. Same is when we execute process via orchestrator.

Ans:- `'C:\Users\ibindra\.nuget\packages'`

16). How to convert DataTable to DataRow in raw format.

`'Assign - Datarow = DataTable.Select()'`

17). Newtonsoft json conversion

18).how to compare strings in uipath:

Ans:- `row.Item(3).ToString.Equals("")`

`DataRow rows = DataTable.Select("[COLUMN 1]=' OR [COLUMN 2]='");`

19). To get unique rows from a DT to another DT:

Ans:- Assign - `dtYourDataTable = dtYourDataTable.AsEnumerable.GroupBy(Function (drRows) drRows.Item("User")).Select(Function (drGroupedRows) drGroupedRows.First).CopyToDataTable`

20). To match 2 data rows.

Ans:- Convert the entire data rows (of both excel) to HASH (By joining the itemArr via String.Join function and apply the Hash activity.) and compare hashes

21). To take screenshot -

Ans:- a. Use take screenshot activity. (UiPath.core.Image - Variable Type)

b. Use save image

22). Convert Regex Match{} to Collections.List{}

Ans:- `list_string = match_ienumerable_result.AsQueryable.select(function(x) x.value).tolist`

23). How to convert System.Security.SecureString to String

Ans:- `String_Variable = new System.Net.NetworkCredential(string.Empty,secure).Password`

To convert String to secure SString

`SecureString_Varuable = new NetworkCredential("", "myPass").SecurePassword;`

24). How to cast values.

Ans:- `New_String = CType(var, String)`

`DirectCast(var, String)` is used to up-cast an object into a string. If you know that an object variable is, in fact, a string, use this. This is the same as `(string)var` in C#

25). To get value from QueueItem

Ans:- `CashIn = in_TransactionItem.SpecificContent("CashIn").ToString`

26). To get excel workbook sheets or any excel related detail

Ans:- a. Define a variable in Excel Application's output (eg Myworkbook)

b. Use the variable to get sheets (eg `Myworkbook.getsheets`)

27). To create a new folder path - use this. This is helpful, because you don't need to worry about the ending slash mark. Secondly, use either Now or Today as your current DateTime so simplify things a bit

Ans:- `System.IO.Path.Combine(folderPath, Today.ToString("MM-dd-yyyy"))`

28). To add a default value to dictionary

Ans:- `dict = new Dictionary(of string,string) from {{"Key","Value"}}`

29). How to convert to int32

Ans:- `integer = Convert.ToInt32(value)`

30). How to solve Newton soft issue

Ans:- `C:\Users\ibindra\.nuget\packages\newtonsoft.json`

31). To upload entire row on queue -

Ans:- 1. For each row, add row to a custom data table using - Invoke method and invoking - 'ImportRow' method

2. Use this to upload DT as object (place this in item information property of AddQueueItem activity)

`Newtonsoft.Json.JsonConvert.SerializeObject(SingleRowDT)`

3. Then get the queue item and use Deserialize JSON activity with DataTable setup.

31). To compare 2 array directly:

Ans:- `MasterCOLlection.Intersect(DupCollection).Any()`

32). To use String format like python -

Ans:- `String.Format("C:\Users\{0}\AppData\Local\Programs\Python\Python36-32",uname)`

33). To accept dictionary from python code

Ans:- Figured it out:

1. In your python code return a json object as

`return json.dumps(dict_output)`

2. Then here in Get Python Object accept a string,

### 3. Use Deserialize JSON activity to convert string to dictionary

34). How to particular column as a list

Ans:- `(From row in temp_DT.AsEnumerable() Select Convert.ToString(row(0))).ToList()`

35). How to get current directory:

Ans:-1. Get Environment Variable Activity

2. Type - "CurrentDirectory" in it

36). How to get a filtered datatable as per an array

Ans:- `(From row In outputdt.AsEnumerable() Join value In arr_var On row.Field(Of String)("COL1") Equals value Select row).CopyToDataTable`

37). To remove element(s) from an array with a single line of code:

Ans:- `arr_2 = arr_1.Except(new String() {"a"}).ToArray`

38). How to Deep Copy of Dictionary:

Ans:- `new Dictionary(of key_type,value_type) (old_dict)`

39). Remove Blank Rows from a DT

Ans:- `Dt=dt.select("columnname <> ''). CopyToDataTable()`

40). Using Regex to replace stuff

Ans:- `System.Text.RegularExpressions.Regex.Replace((dict_LineDetails(item)(0).ToString.Trim), "\s+", "").ToString`

41). If Statement in Assign Activity:

Ans:- `If(Name = "Ishmeet", "Ishmeet",`

`If(Name = "Jasleen", "Jasleen", "No"))`