**\*Link to UiPath**

[RPA Certification - Advanced RPA Developer | UiPath](https://www.uipath.com/learning/certification)

Diagram

Description automatically generated

\*Robotic Enterprise Framework (R.E. Framework)

Best for large/ big projects

\*Simple small project: Start with blank. Blank = Process

\*To download extension:

‘Tools’ (left list)🡪 then select whichever extension needed. Eg: extension for browser

\*To start project:

Open up UiPath 🡪 ‘start’ (left list) 🡪 select ‘process’ 🡪 name project, select location to save.

\*To enable packages of different file format:

‘Manage packages’ (top ribbon), type in keywords to find package, then select from the drop down list of support package.

\*Per new “sheet” in the project is a new “file”, if want to run selected file, select “run file”.

\*Line Break: Environment.NewLine

\*Disable/ Comment out activity: Select activity 🡪 right-click, ‘disable activity’

\*Enable back activity: Select on ‘comment out’ 🡪 right-click, ‘enable activity’

\*Hello World in message box

Graphical user interface, text, application

Description automatically generated

\*Understanding Variables (module 2):

Data: is information, text, string, numbers, input etc.

Assign data into variables, store data into a variable.

\*Array:

Name= {“peter”, “john”, “harry”, “tom”} =4elements

Data inside are called elements

Address = index number

Element always start from 0

Name(0) = “peter’

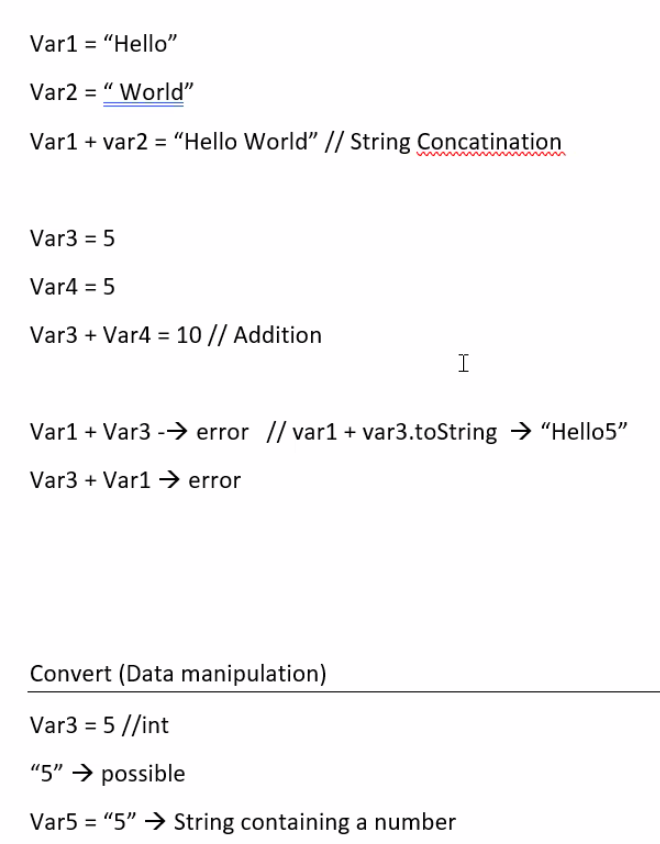
\*Integer in UiPath:

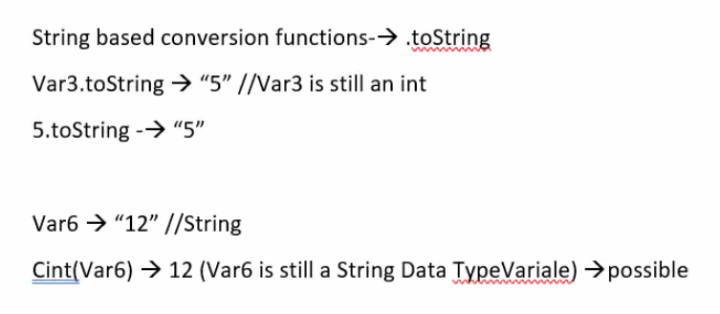
Int32= 4byte (smaller range than int64)

Int64

Graphical user interface, text, application

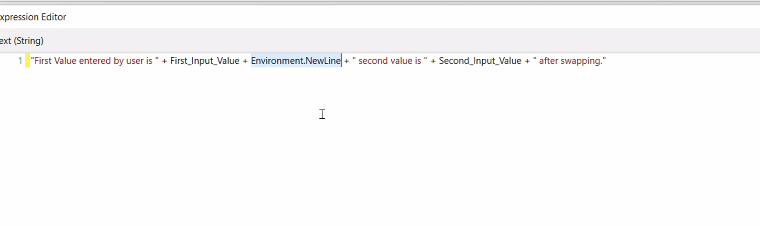
Description automatically generated





Text

Description automatically generated



\*Assign value:

If value is undefine (by default):

Integer= 0

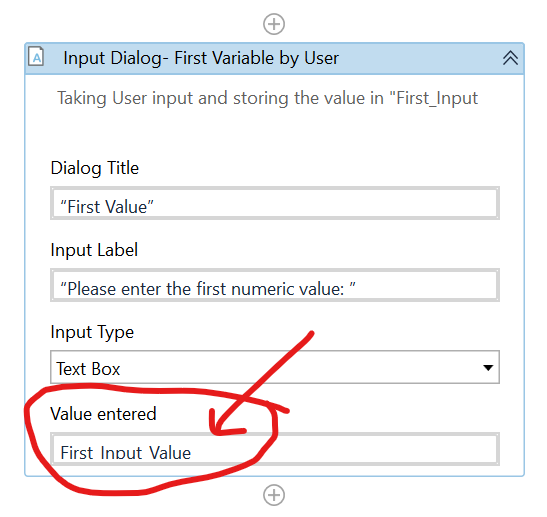
String= blank

Boolean= False

\*WriteLine works the same as message box, will show result in output window (bottom left).

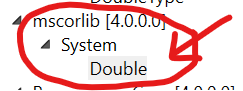
\*Output on right side will show the list of activities used in the project.

\*Short cut to set variable: CTRL K (enter variable name into ‘input dialog’ under ‘value entered’)



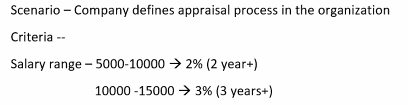
\*Variable data type: To select other date type🡪 browse drop down list.

For double: select ‘mscorlib’

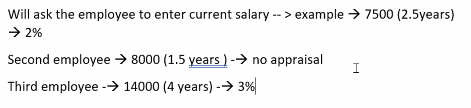


\*Arguments:

Defines data to be passed from one workflow to another.



-Workflow A:



-Workflow B:

Text

Description automatically generated

-Workflow C:



\*Using ‘multiple choice’ in input dialog: (if below 3choices, will be in bullet list)

Graphical user interface, text, application

Description automatically generated

\*Workflow/ Invoke workflow file

Graphical user interface

Description automatically generated

Text

Description automatically generated with medium confidence

\*Array

NamesList = {“John”, “Peter”, “jane”}

-Use {}

-Name of array is case-sensitive same as variables

-Size of array is the number of elements (3)

-Array elements cannot mix string and integer

-First element index start with 0 (Peter)

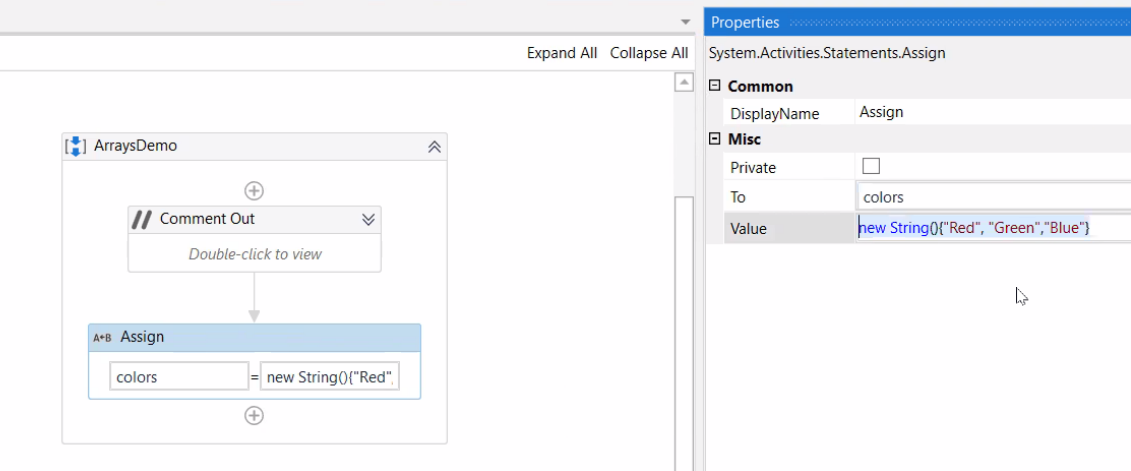
-Array are fixed size, cannot be manipulated, cannot be added or remove.

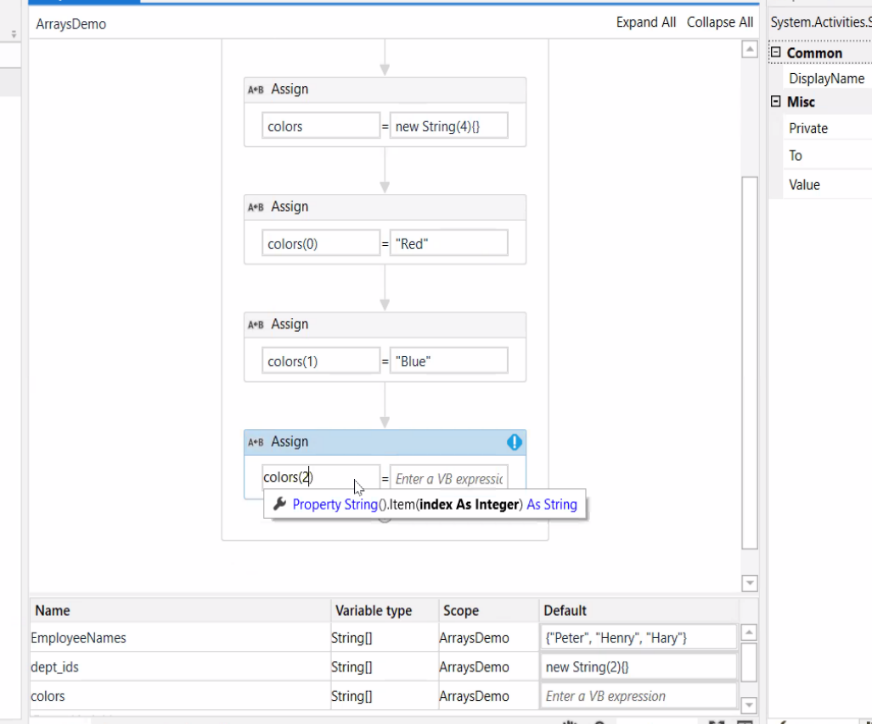
-Array in UiPath 🡪 create under variables 🡪 select type of array under ‘Array of [T]’

🡪 String for alphabet/ Int32 for numbers

Graphical user interface, table

Description automatically generated



\*Use ‘Assign’ to set array:

-Set variable 🡪 (4) means total 5 elements

-Then assign each color 1 by 1

Graphical user interface

Description automatically generated

\*to print dept of array

Graphical user interface

Description automatically generated with medium confidence

\*List:

NamesList = [“john”, “peter”, “jane”]

-Use []

-List can be manipulated, cannot be added or remove

-Name of list is case-sensitive