PASSING VARIABLES IN SELECTORS

Two ways we can pass variable in selectors

First way:

Pass variable in between " "(double Quotes) and + +

 Create a variable lets say var_test

"+var_test+"

 Second way

 Pass variable in between double curly braces{{}}

{{var_test}}

Let see an example:

- Pass notepad title to a variable
- Use the variable in selector instead of static title
- And also pass complete Selector to a variable and show only variable in selector

Lets take new process name it as Notepad _Automation and
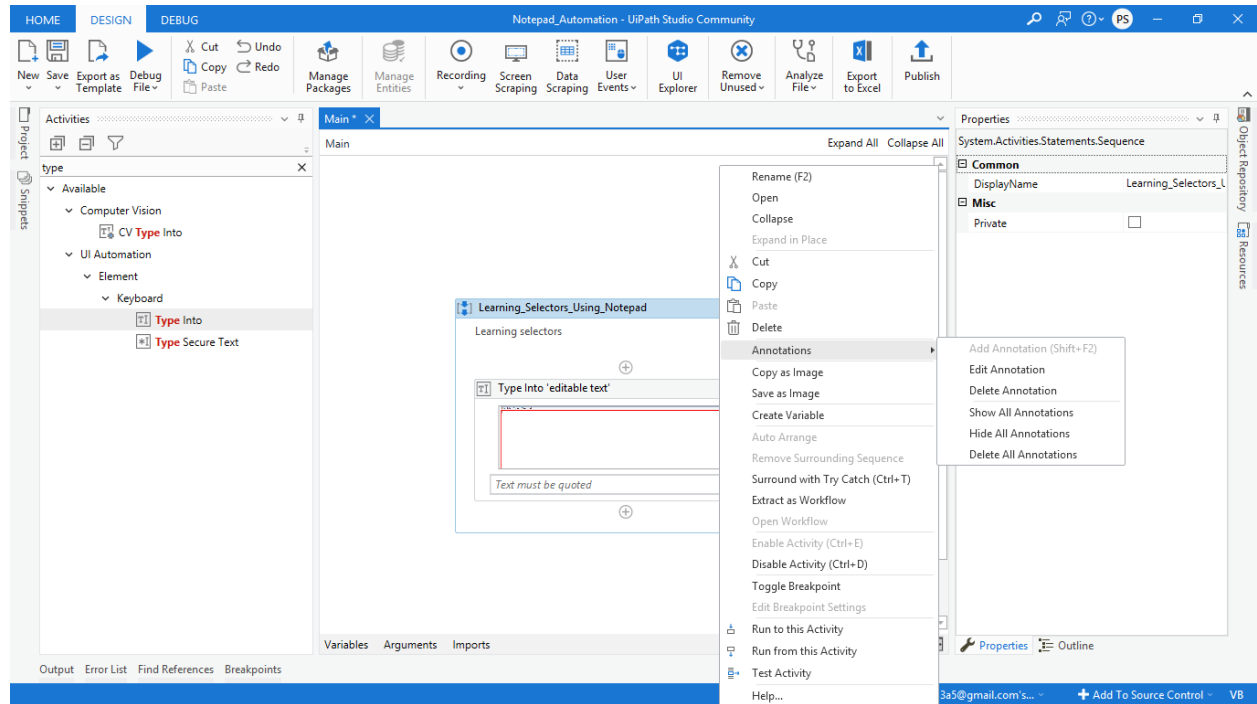
description as In this project we learn about selectors

and create

Step 1:

Go to project and main and go to activity panel and double click on sequence activity once you double click on activity it will go and sit in

designing panel and rename the sequence in property panel and give annontation by right click in sequence you can see the option annotation

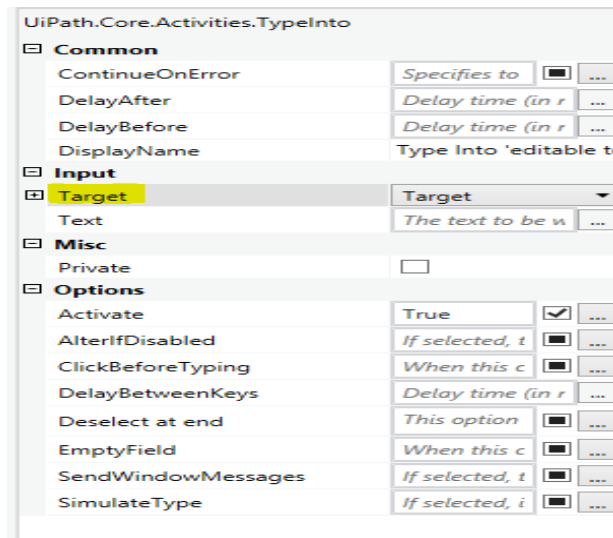Their you provide any annotation which related to our project

Step 2:

Go to activity panel search or type into activity which is in the package called UiPath.UIAutomation.Activities
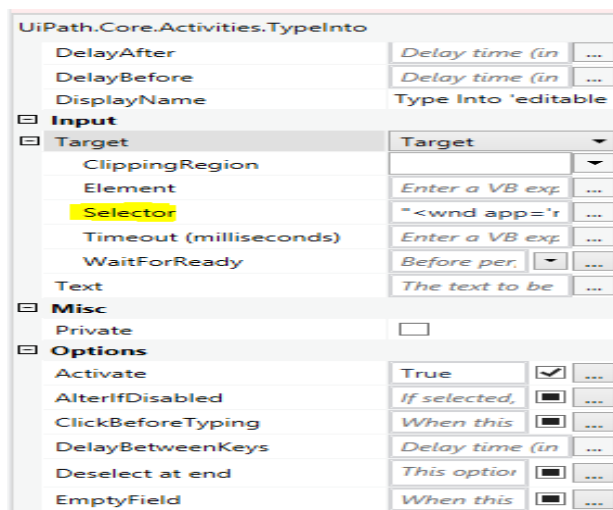
Selectors are generated automatically every time we use an activity that interacts with graphical user interface

Type into activity is the activity that interact with userface so selector is generated by using this activity

In the properties go to target and click plus sign you see selector property in property panel

UiPath.Core.Activities.TypeInto

Common	
ContinueOnError	Specifies to
DelayAfter	Delay time (in r
DelayBefore	Delay time (in r
DisplayName	Type Into 'editable te
Input	
Target	Target
Text	The text to be w
Misc	
Private	☐
Options	
Activate	True ☑
AlterIfDisabled	If selected, t
ClickBeforeTyping	When this c
DelayBetweenKeys	Delay time (in r
Deselect at end	This option
EmptyField	When this c
SendWindowMessages	If selected, t
SimulateType	If selected, i

After clicking plus sign which in target the page appear like below

UiPath.Core.Activities.TypeInto

DelayAfter	Delay time (in
DelayBefore	Delay time (in
DisplayName	Type Into 'editable
Input	
Target	Target
ClippingRegion	
Element	Enter a VB exp.
Selector	"<wnd app='n
Timeout (milliseconds)	Enter a VB exp.
WaitForReady	Before per.
Text	The text to be
Misc	
Private	☐
Options	
Activate	True ☑
AlterIfDisabled	If selected,
ClickBeforeTyping	When this
DelayBetweenKeys	Delay time (in
Deselect at end	This option
EmptyField	When this

After indicate the screen of the note pad the selector appear like this

<wnd app='notepad.exe' cls='Notepad' title='Untitled - Notepad' />
<wnd cls='Edit' />
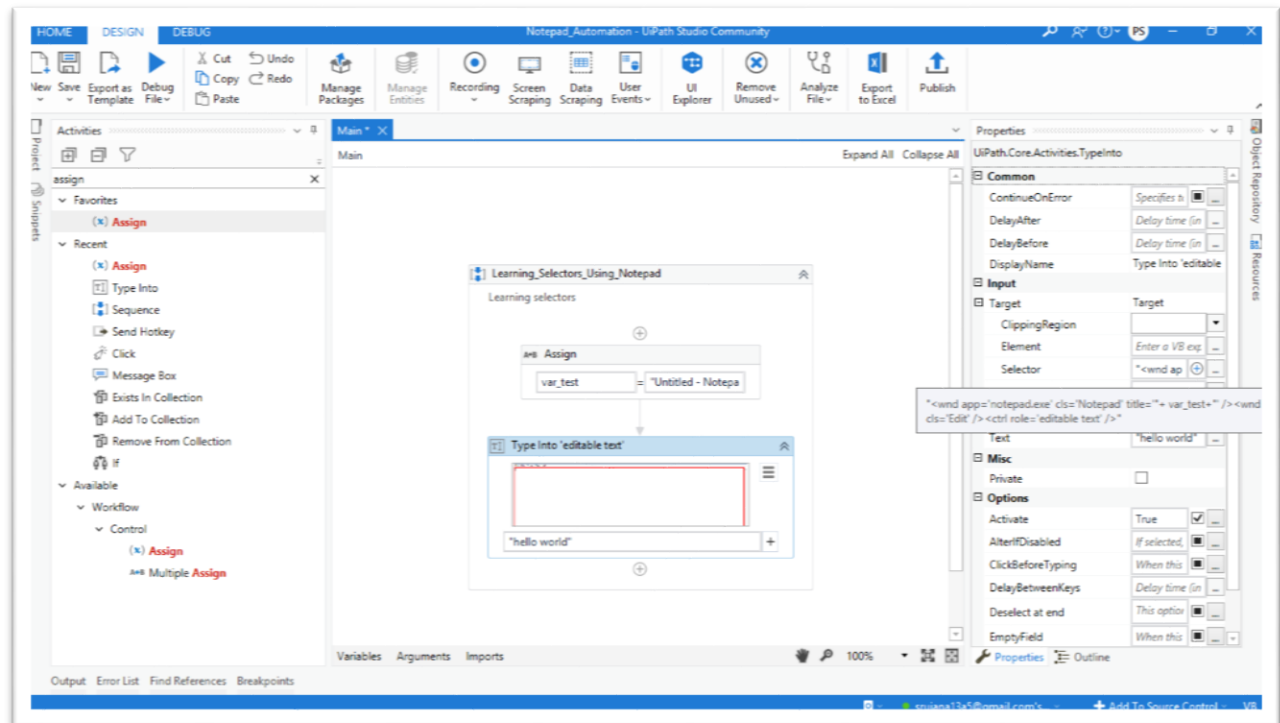<ctrl role='editable text' />

Step3:

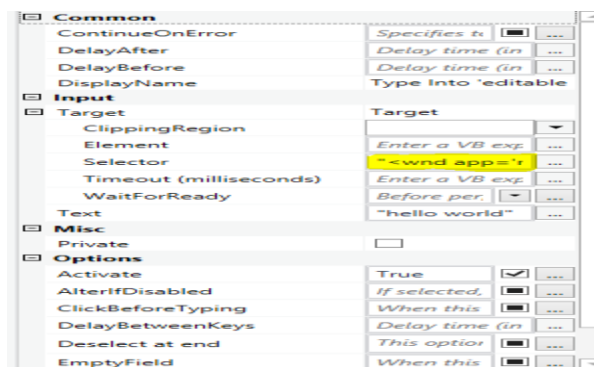Take assign activity from the activity panel

Create variable and name as var_test and assign value as "Untitled-Notepad"

Step 4:

Give that variable in selector,by editing selector attribute title "+var_Test+"

In the below figure which I have highlighted in yellow colour their only we must edit the selector

If edit selector in three dots we will get error

Target	Target
ClippingRegion	
Element	Enter a VB exp ...
Selector	"<wnd app='r ...
Timeout (milliseconds)	Enter a VB exp ...
WaitForReady	Before per, ...
Text	"hello world" ...

The error is

Ui Runtime execution error   ✕

Source: Type Into 'editable text'

Message: Could not find the UI element corresponding to this selector:
[1] <wnd app='notepad.exe' cls='Notepad' title='"+var_test+"'/>
[2] <wnd cls='Edit'/>
[3] <ctrl role='editable text'/>

Search failed at selector tag:
[1] <wnd app='notepad.exe' cls='Notepad' title='"+var_test+"'/>

The closest matches found are:
[74%] <wnd app='notepad.exe' cls='Notepad' title='Untitled - Notepad'/>

Exception Type: UiPath.Core.SelectorNotFoundException
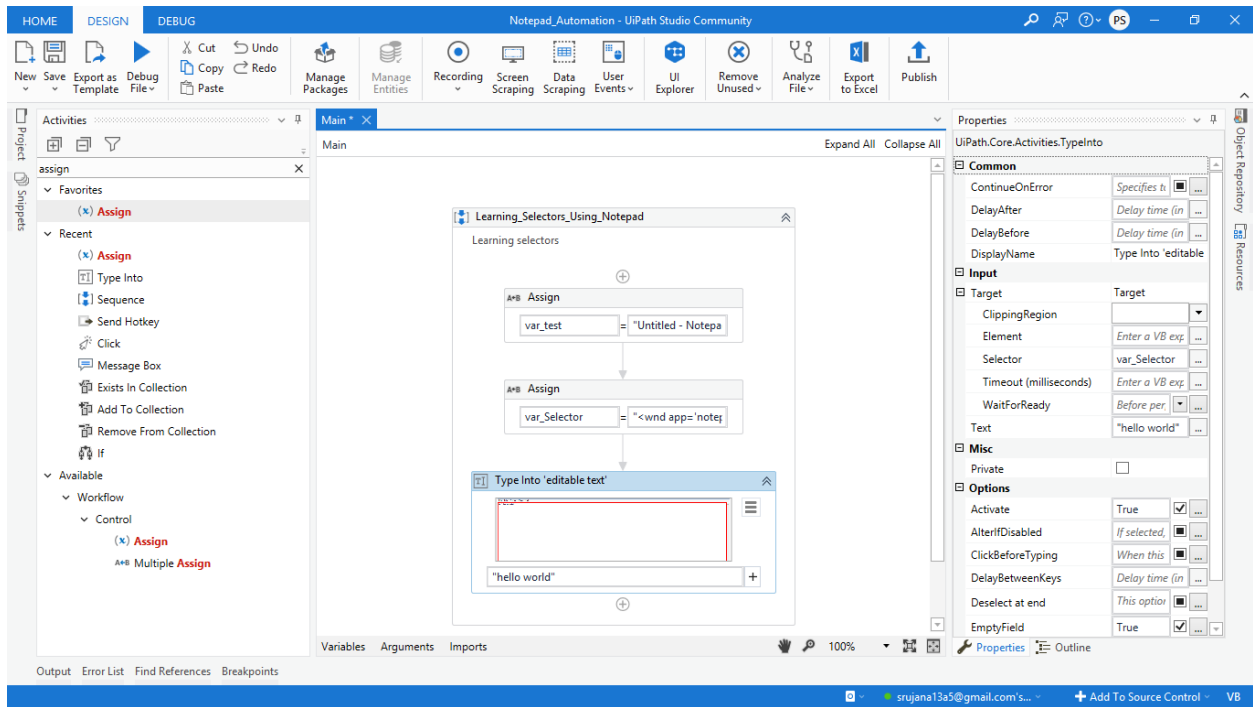
| Details ∨ | Open Logs Copy to Clipboard | OK |

When we are editing selector by click on three dots at that time we have to use
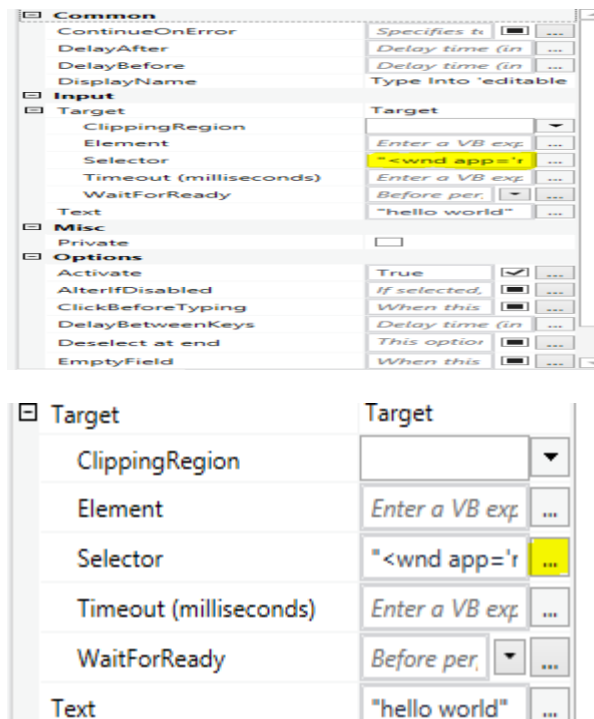
&quot+var_test+&quot

Step 5

Copy the selector from type into activity and assign the selector to the variable called var_Selector and provide that variable to type into activity selector property by removing the selector which generated by indicating the UI element, provide their variable

Second way :

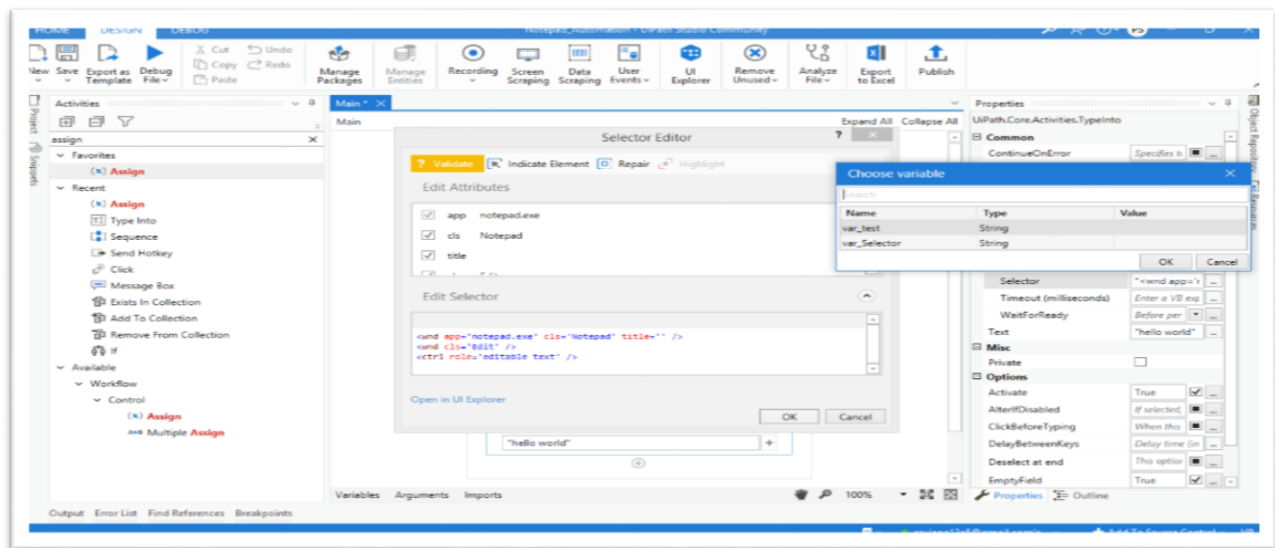Passing variable in between double curly braces {{var_test}}

This is the best practice
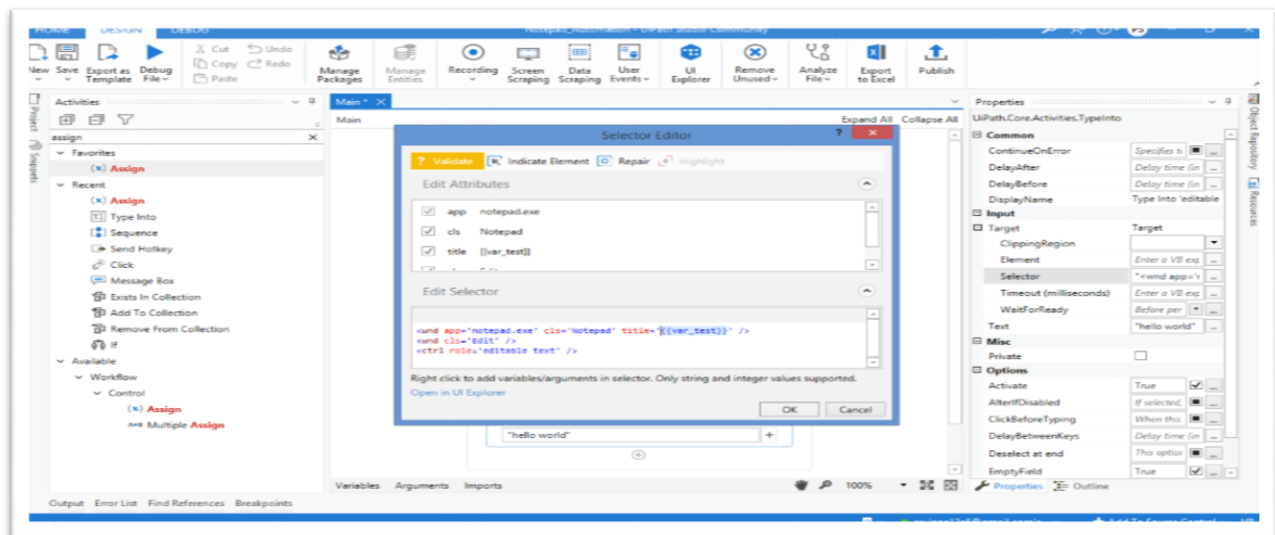
By editing selector in the above highlighter places by passing variable in between {{}} we will not get any error

So this is the best practice

Go to three dots and go to title attribute value remove the title and click control space what ever variables created that will in the pop up whatever you what you can select that one

After click ok the variable passes as below

The best practice of passing variables is by using {{}}(Double cruly braces)