

## Practical No. 08

Aim : Automate notepad Application using AutoIT.

(Write "Hello" in notepad)

Notepad -> Notepad

(write "Hello" in Notepad)

Notepad -> Notepad

(write "Hello" in Notepad)

Notepad

: Done

("Hello") Notepad

(done) Notepad

Notepad -> Notepad

(Hello) Notepad

(done) Notepad

(Hello) Notepad

(done) Notepad

(Hello) Notepad

(done) Notepad

(Hello) Notepad

(done) Notepad

Notepad -> Notepad

(Hello) Notepad

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Theory:

First step, we need to know is the name of the Notepad executable. It is a notepad.exe — you can get this information by looking at the properties of the Notepad shortcut in the Start Menu.

To execute

Notepad we use the AutoIT Run function. This function simply launches a given executable and then continues.

Type in the first line of script as:

Run("Notepad.exe")

Run the script - if all goes well then a new instance of Notepad should open. When automating applications AutoIT can check for their window title so that it knows which windows it should work with. With Notepad the window title is obviously Untitled-Notepad.

AutoIT is case sensitive when using window titles so you must get the title exactly right - the best way to do this is to use the AutoIT window AutoIT v3 Window Info. Run the AutoIT v3 Window info from Start Menu / AutoIT v3 / AutoIT Window Info.

With the info Tool open click on the newly opened Notepad window to activate it; the Info Tool will give you information about it. The Information we are interested in is the window title.

Enter the following as the second line in

in the script (use CTRL-V or Edit/Paste to paste our window title from the clipboard.)

WinWaitActive("Untitled - Notepad")

After we are sure the Notepad window is visible we want to type in some text. This is done with the Send Function.

Add this line to our Script.

Send("This is some text.")

Next we want to close Notepad, we can do this with the WinClose function.

WinClose("Untitled - Notepad")

So, we add a line to wait for this dialog to become active (we will also use the window text to make the function more reliable and to distinguish this new window from the original Notepad window):

WinWaitActive("Notepad", "Save")

Next we want to automatically press Alt-N to select the No/Don't save button (Underlined letters in windows usually indicate that you can use the ALT key and that letter as a keyboard shortcut.) In the Send function to send an ALT key we use!

Our complete Script now looks like this:

Run("Notepad.exe")

WinWaitActive("Untitled - Notepad")

Send("This is some test regarding testing")

WinClose("Untitled - Notepad")

WinWaitActive("Notepad", "Save")

Send("!n")

Script to automate Notepad :

```
Run ("Notepad.exe")
WinWaitActive ("Untitled - Notepad")
Send ("This is some text regarding testing")
WinClose ("Untitled - Notepad")
WinWaitActive ("Notepad", "Save")
Send ("!s")
Send ("test.txt")
Send ("!s")
```

Script to copy text from one file to another.

```
Opt ("WinTitleMatchMode", 2)
WinActivate ("old")
WinWaitActive ("old")
Send ("{HOME}{3}")
Send ("+{END}{3}")
Send ("^c")
WinWaitActive ("new")
WinActivate ("new")
Send ("^v")
Send ("{ENTER}{3}")
```

## • Diagnostic techniques in Java

### • Java Debug Tool

• ("Breakpoint - Breakpoint") and "Breakpoint"

• ("Next instruction", "Step into", "Step over")

• ("Threads - Thread 0") and "Threads"

• ("Call stack") and "Call stack"

• ("Registers") and "Registers"

• ("Registers") and "Registers"

• reading file from external application

### • Java Application's File

• ("File") and "File"

• ("Open") and "Open"

Conclusion:

We learnt technique in this experiment to automate windows notepad Application.