

Practical 6
Software Testing and Quality Assurance
2CSDE80



Mistry Unnat
20BCE515



Department of Computer Science and Engineering
Institute of Technology
Nirma University
Ahmedabad

AIM : To perform automated functional GUI testing using AutoIT.

AutoIT is a scripting language designed to automate windows GUI.

Software	Download
<p>AutoIt Full Installation. Includes x86 and x64 components, and:</p> <ul style="list-style-type: none"> • AutoIt program files, documentation and examples. • Aut2Exe – Script to executable converter. Convert your scripts into standalone .exe files! • AutoItX – DLL/COM control. Add AutoIt features to your favorite programming and scripting languages! Also features a C# assembly and PowerShell CmdLets. • Editor – A cut down version of the SciTE script editor package to get started. Download the package below for the full version! 	
AutoIt Script Editor.(Customised version of SciTE with lots of additional coding tools for AutoIt)	

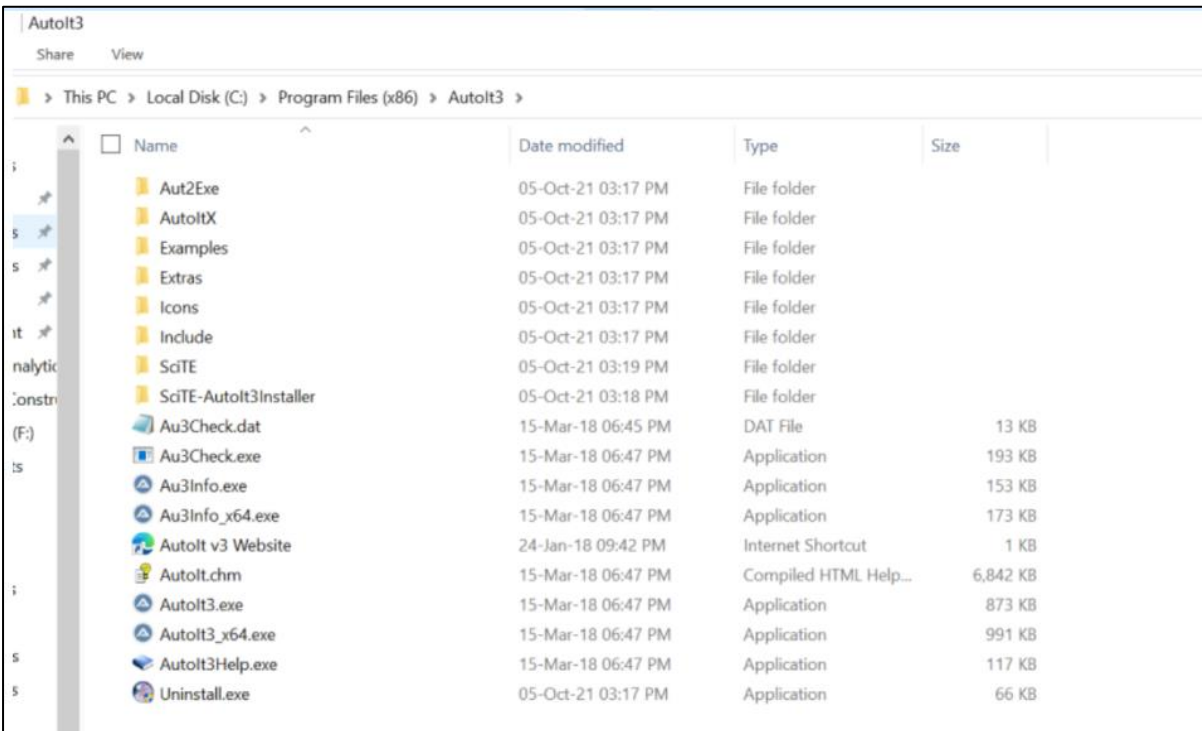
➤ Download AutoIT

Step 1: Click on 'AutoIt' > 'Downloads' option

Step 2: Click on 'Download AutoIt' button Download AutoIt editor

Step 3: Click on 'Download Editor' button

After AutoIt installation, open AutoIT Editor and click on 'SciTE.exe' file.



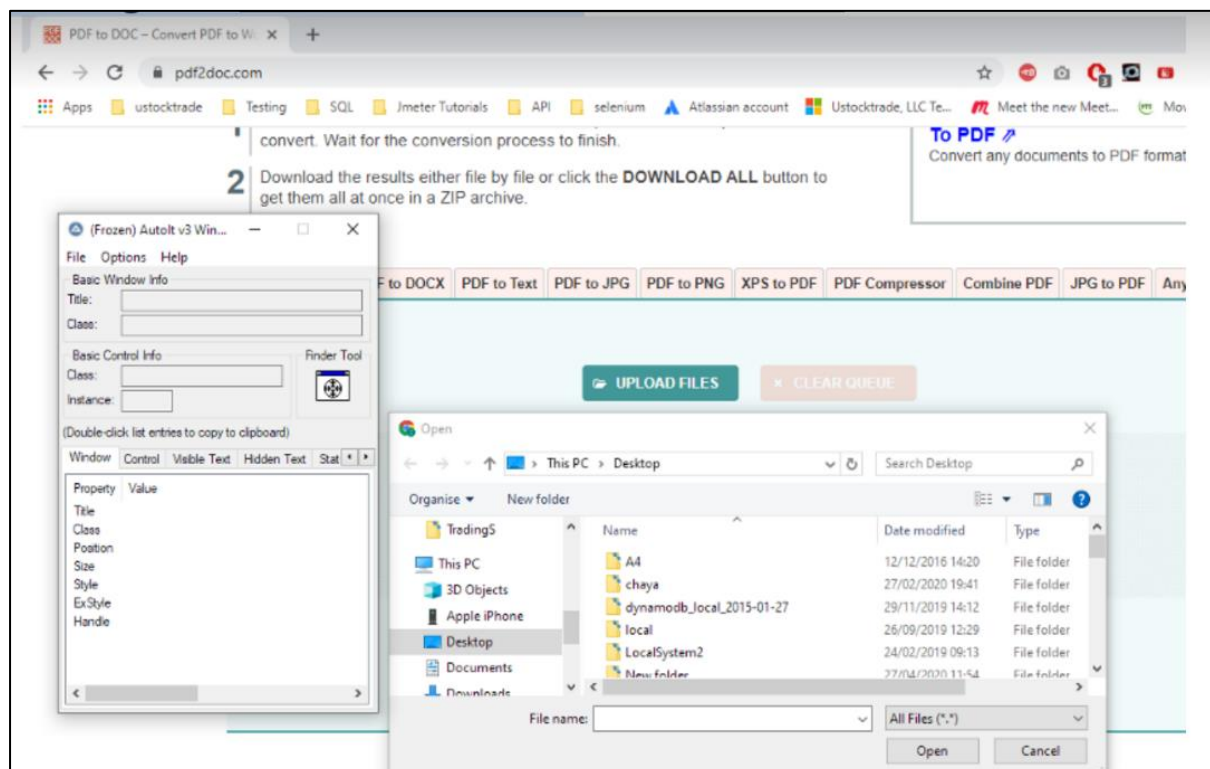
Name	Date modified	Type	Size
Aut2Exe	05-Oct-21 03:17 PM	File folder	
AutoItX	05-Oct-21 03:17 PM	File folder	
Examples	05-Oct-21 03:17 PM	File folder	
Extras	05-Oct-21 03:17 PM	File folder	
Icons	05-Oct-21 03:17 PM	File folder	
Include	05-Oct-21 03:17 PM	File folder	
SciTE	05-Oct-21 03:19 PM	File folder	
SciTE-AutoIt3Installer	05-Oct-21 03:18 PM	File folder	
Au3Check.dat	15-Mar-18 06:45 PM	DAT File	13 KB
Au3Check.exe	15-Mar-18 06:47 PM	Application	193 KB
Au3Info.exe	15-Mar-18 06:47 PM	Application	153 KB
Au3Info_x64.exe	15-Mar-18 06:47 PM	Application	173 KB
AutoIt v3 Website	24-Jan-18 09:42 PM	Internet Shortcut	1 KB
AutoIt.chm	15-Mar-18 06:47 PM	Compiled HTML Help...	6,842 KB
AutoIt3.exe	15-Mar-18 06:47 PM	Application	873 KB
AutoIt3_x64.exe	15-Mar-18 06:47 PM	Application	991 KB
AutoIt3Help.exe	15-Mar-18 06:47 PM	Application	117 KB
Uninstall.exe	05-Oct-21 03:17 PM	Application	66 KB

Click on 'Au3Info.exe' file and open element identifier.

Let's see how to find element using element Identifier

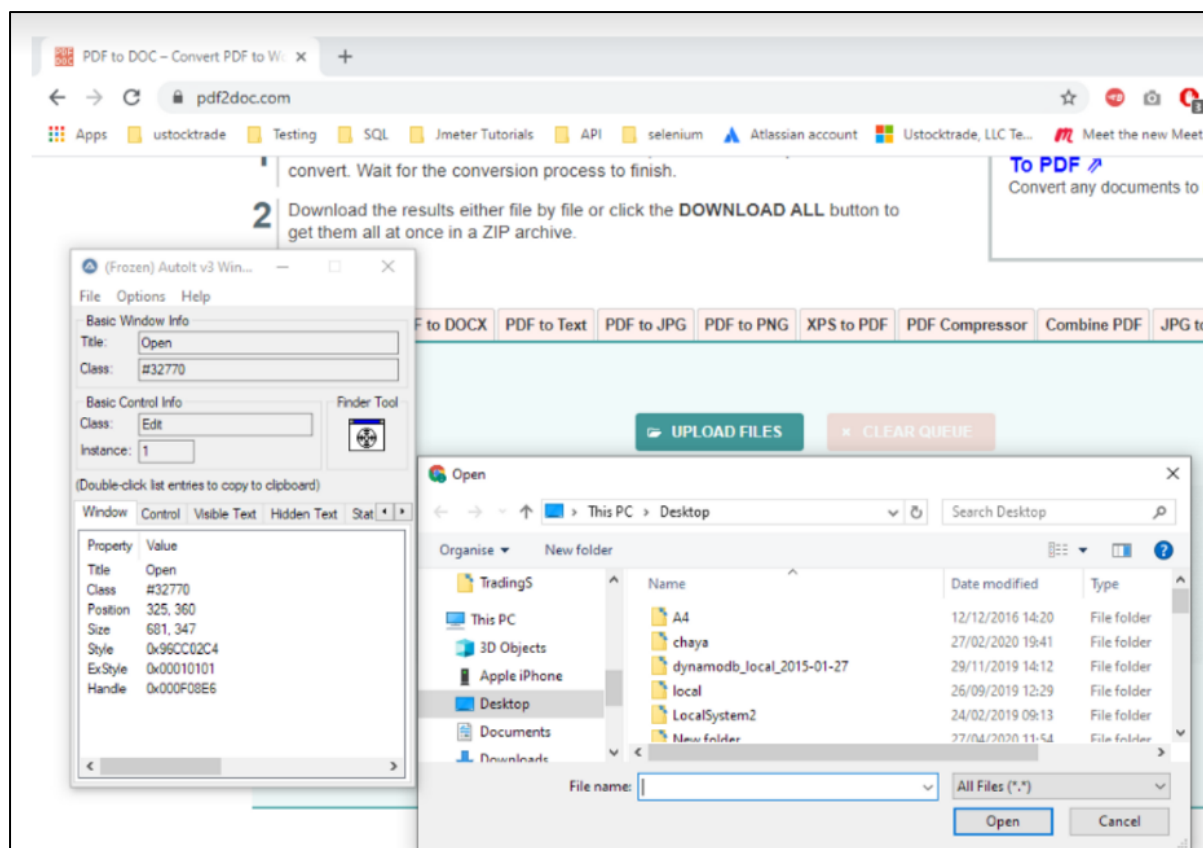
In this section, we will see how to find elements in the file uploader window using AutoIT Element Identifier. It finds the element of window GUI and provide the attribute of element like title, class, instance etc.

We shall use it for PDF to DOC — Convert PDF to Word Online. After clicking on 'UPLOAD FILES' button, we need to call AutoIT script. The control immediately moved to AUTOIT after clicking 'UPLOAD FILES' button.



Step 1: Open element Identifier- Go to 'C:\Program Files (x86)\AutoIt3' and click on 'Au3Info.exe' file.

Step 2: Open file uploader window by clicking on 'UPLOAD FILES'.



Open file uploader window

Step 3: Drag the 'Finder Tool' on the "File name" element of file uploader to find the attributes.

Attributes are title=Open, class=Edit and instance=1.

Let's write scripts using AutoIT editor

Methods are required for writing file upload script:

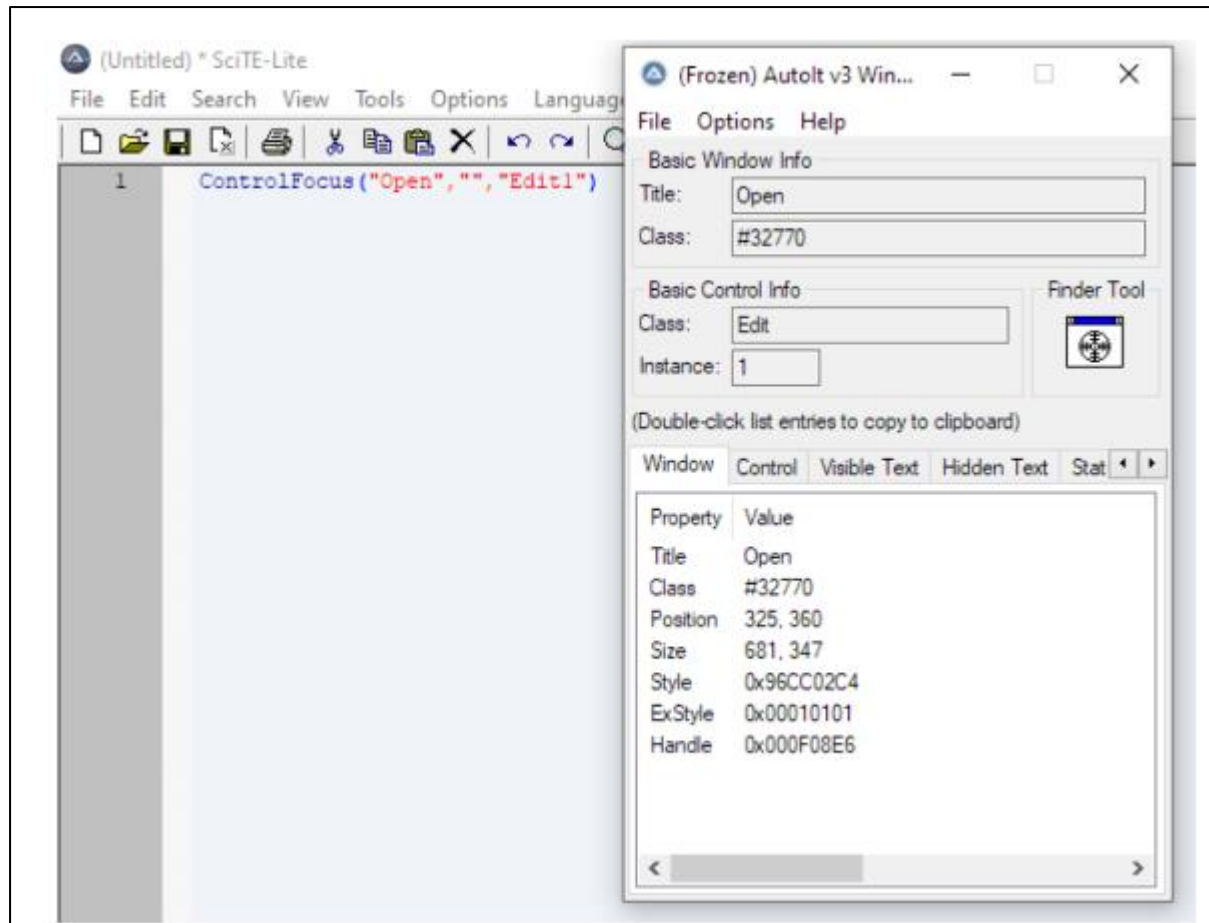
Sets input focus to a given control on a window

ControlFocus("title","text",controlID) Sets text of a control

ControlSetText("title","text",controlID,"File path which need to upload") Sends a mouse click command to a given control

ControlClick("title","text",controlID)

ControlFocus method: focus to the 'file name' text box of the file uploader



ControlFocus method

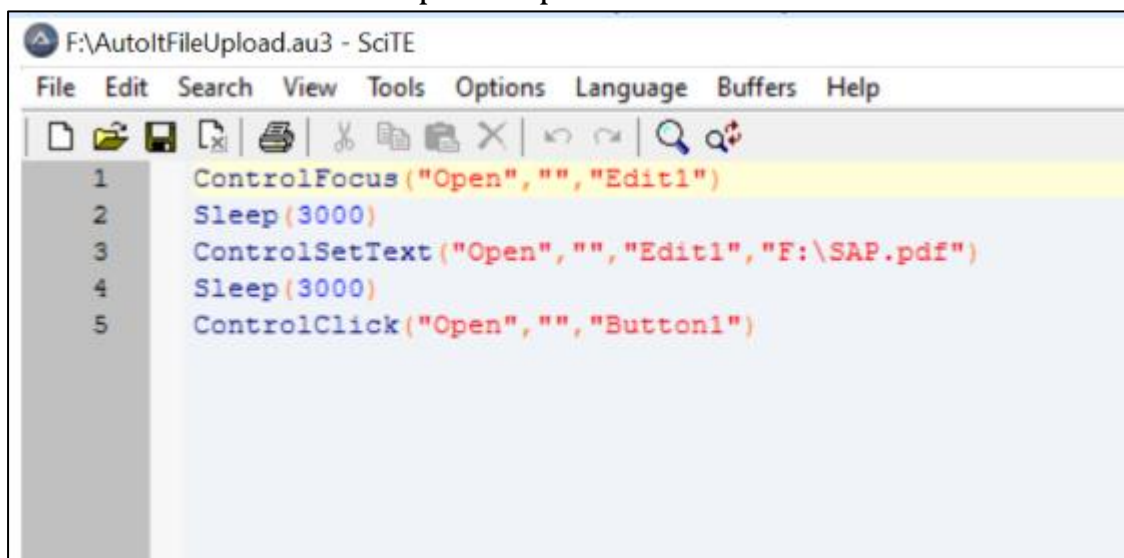
title — "Open"

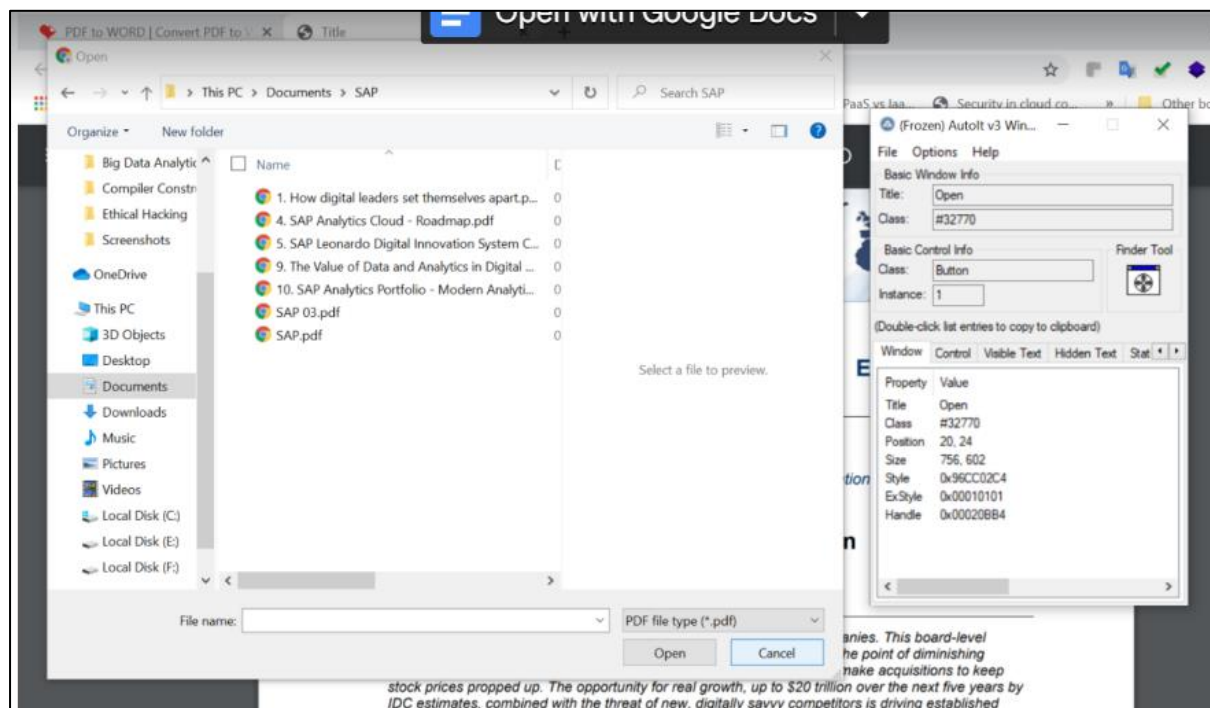
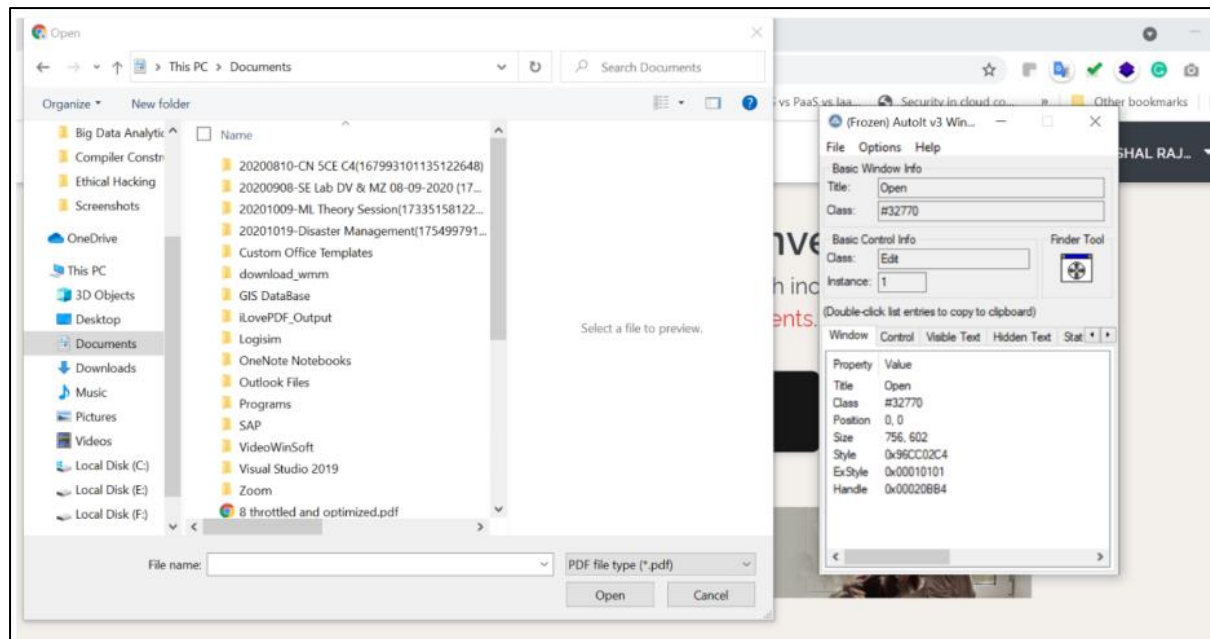
text is not required.

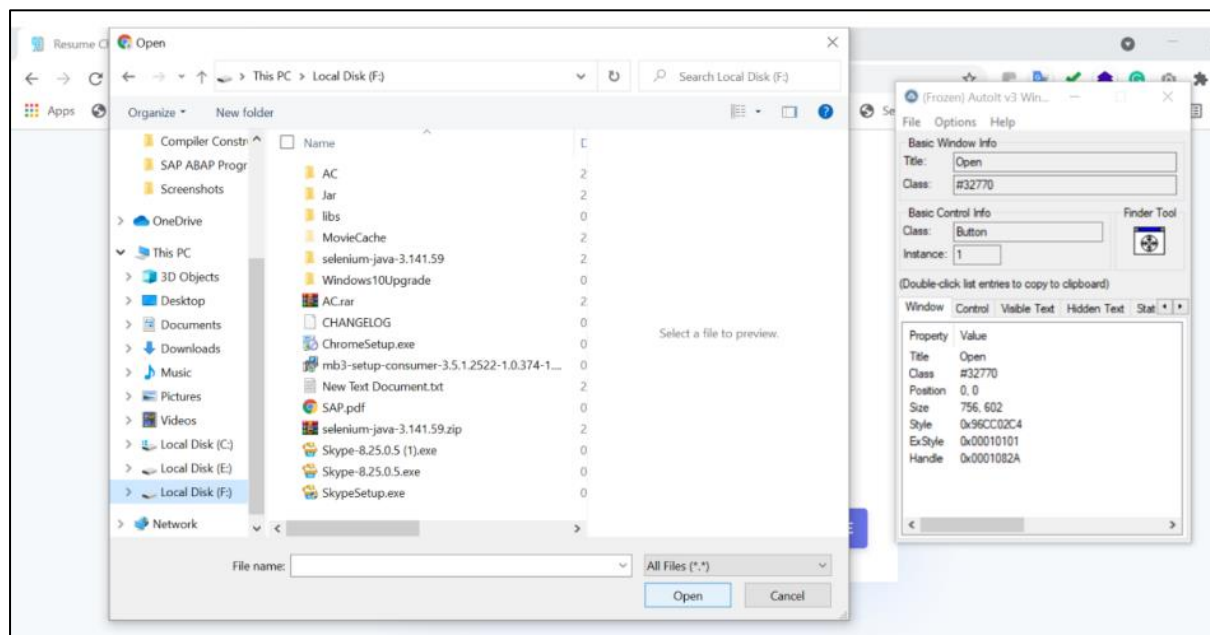
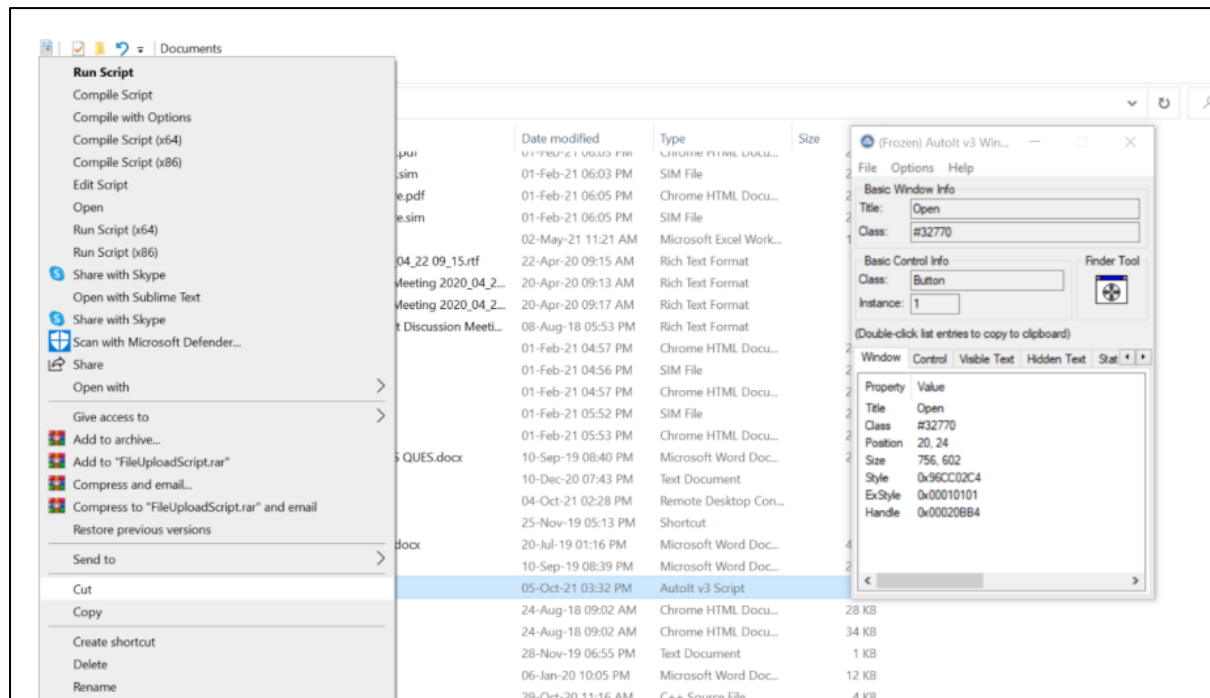
controlID — "Edit1" (combination of class='Edit' and Instance='1')

ControlFocus("Open","", "Edit1")

ControlSetText method : Input file path of a control







END