Aim :- Use any automated Test tool (eg. Autoit V3) and demonstrate the use of ① if -- else ② for __ loop ③ DO -- until ④ switch -- case.

Theory :- Autoit V3 is a freeware BASIC- like scripting language designed for automating the windows GUI and general scripting. It use a combination of simulated keystrokes, mouse movement and window / control manipulation in order to automate tasks in a way not possible or reliable with other language.

     Auto.it V3 was initially designed for PC "roll out" situations to reliably automate and configure thousands of PC's. Overtime it has become a powerful language that supports Complex expressions, user functions, loops and everything else that veteran scripters would expect.
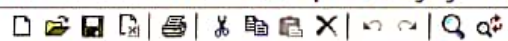
Features :-

① Easy to learn BASIC like Syntax.

② Simulate keystrokes and mouse movement.

③ Manipulate windows and processors.

④ Interact with all standard windows control.

⑤ Scripts can be Compiled into standalone executable.

⑥ Create Graphical user interface (GUI).

⑦ Com Support.

⑧ Regular Expressions.

⑨ Directly Call external DLL and windows API functions.

⑩ Scriptable runas functions.

⑪ Detailed helpline and large community - based support forums.

⑫ Compatible with windows XP SP3 / 2003 SP2/ vista / windows 7 / Windows 8 / windows 10.

⑬ Unicode and X64 Support.

⑭ Digitally Signed for peace of mind.
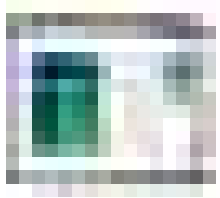
⑮ Works with windows user Account Control (UAC)

use :-

① If --- else

If < expression > Then statement

② For -- loop

for <variable> = <start> TO <stop> [step < stepval>]
statements
next.

③ DO -- until

DO
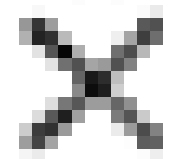statements
until< expression>

④ Switch ... Case

switch < expression>
Case
...

conclusion :- Thus we have installed & configure tool Autoit V3 and we of ① If -- else ② do -- until ③ for -- loop ④ switch

File   Edit   Search   View   Tools   Options   Language   Buffers   Help

```autoit
1    #cs ----------------------------------------------------------------------
2
3       AutoIt Version: 3.3.14.5
4       Author:         myName
5
6       Script Function:
7          Template AutoIt script.
8
9    #ce ----------------------------------------------------------------------
10
11      ; Script Start - Add your code below here
12      #include <MsgBoxConstants.au3>
13
14      Local $iNumber = 25
15
16   If $iNumber > 0 Then
17       MsgBox($MB_SYSTEMMODAL, "Example", "$iNumber was positive!")
18   ElseIf $iNumber < 0 Then
19       MsgBox($MB_SYSTEMMODAL, "Example", "$iNumber was negative!")
20   Else
21       MsgBox($MB_SYSTEMMODAL, "Example", "$iNumber was zero.")
22   EndIf
```
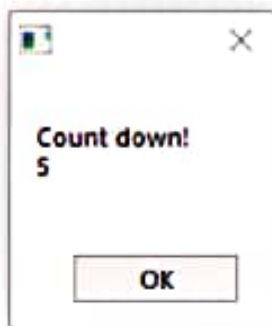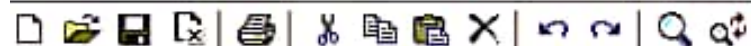
Example ✕

SiNumber was positive!

[OK]

File   Edit   Search   View   Tools   Options   Language   Buffers   Help

1 if_else.au3   2 for_loop.au3

```autoit
1    #cs ----------------------------------------------------------------
2
3       AutoIt Version: 3.3.14.5
4       Author:         myName
5
6       Script Function:
7          Template AutoIt script.
8
9    #ce ----------------------------------------------------------------
10
11   ; Script Start - Add your code below here
12   #include <MsgBoxConstants.au3>
13
14   For $i = 5 To 1 Step -1
15       MsgBox($MB_SYSTEMMODAL, "", "Count down!" & @CRLF & $i)
16   Next
17   MsgBox($MB_SYSTEMMODAL, "", "Blast Off!")
```
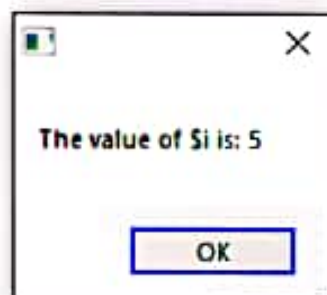
Count down!
5

OK

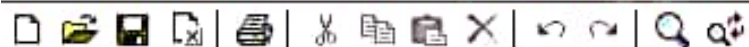>"C:\Program Files (x86)\AutoIt3\SciTE\..\autoit3.exe" /ErrorStdOut "C:\Users\blackstorm\Documents\for_loop.au3"

File Edit Search View Tools Options Language Buffers Help

1 if_else.au3   2 for_loop.au3   3 do_until.au3

```autoit
1    #cs ------------------------------------------------------------
2
3       AutoIt Version: 3.3.14.5
4       Author:          myName
5
6       Script Function:
7          Template AutoIt script.
8
9    #ce ------------------------------------------------------------
10
11   ; Script Start - Add your code below here
12   #include <MsgBoxConstants.au3>
13
14   Local $i = 0
15   Do
16       MsgBox($MB_SYSTEMMODAL, "", "The value of $i is: " & $i) ; Display the value of $i.
17       $i = $i + 1 ; Or $i += 1 can be used as well.
18   Until $i = 10 ; Increase the value of $i until it equals the value of 10.
19
```
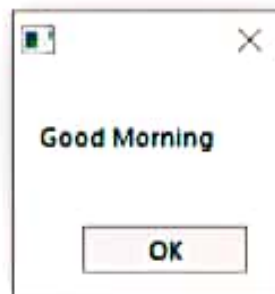
The value of $i is: 5

OK

```
-"C:\Program Files (x86)\AutoIt3\SciTE\..\autoit3.exe" /ErrorStdOut "C:\Users\blackstorm\Documents\do_until.au3"
```

=19 co=1 INS (CR+LF)

File   Edit   Search   View   Tools   Options   Language   Buffers   Help

```autoit
 2
 3        AutoIt Version: 3.3.14.5
 4        Author:         myName
 5
 6        Script Function:
 7          Template AutoIt script.
 8
 9    #ce -------------------------------------------------------------
10
11    ; Script Start - Add your code below here
12    #include <MsgBoxConstants.au3>
13
14    Local $sMsg = ""
15
16    Switch @HOUR
17        Case 6 To 11
18            $sMsg = "Good Morning"
19        Case 12 To 17
20            $sMsg = "Good Afternoon"
21        Case 18 To 21
22            $sMsg = "Good Evening"
23        Case Else
24            $sMsg = "What are you still doing up?"
25    EndSwitch
26
27    MsgBox($MB_SYSTEMMODAL, "", $sMsg)
28
```

Good Morning

OK

>"C:\Program Files (x86)\AutoIt3\SciTE\..\autoit3.exe" /ErrorStdOut "C:\Users\blackstorm\Documents\switch.au3"