# Run batch file using vbscript:

Sub Execute()

Dim Shell

Set Shell = CreateObject("WScript.Shell")

Shell.CurrentDirectory = "D:\Workspace SCB\SCB Demo"

Shell.Run "Run.bat"

End Sub

# Protect sheets and lock/disable cells

Dim ws As Worksheet

Set ws = ActiveWorkbook.Sheets("Sheet1")

Range("B1").Locked = True

ActiveSheet.Protect Contents:=True

# Unprotect sheets and unlock cells

Dim ws As Worksheet

Set ws = ActiveWorkbook.Sheets("Sheet1")

ActiveSheet.Protect Contents:=False

ActiveSheet.Unprotect

# Enable/disable Active X command button

Dim ws As Worksheet

Set ws = ActiveWorkbook.Sheets("Sheet1")

Sheets (“sheet name”).CommandButton21.Enabled = True

Sheets (“sheet name”).CommandButton22.Enabled = True

# Find the last row and last column in an excel

Sub Range\_End\_Method()

'Finds the last non-blank cell in a single row or column

Dim lRow As Long

Dim lCol As Long

'Find the last non-blank cell in column A(1)

lRow = Cells(Rows.Count, 1).End(xlUp).Row

'Find the last non-blank cell in row 1

lCol = Cells(1, Columns.Count).End(xlToLeft).Column

MsgBox "Last Row: " & lRow & vbNewLine & \_

"Last Column: " & lCol

End Sub

# Generate Random Characters and Numbers:

**Random Capital letters:**

= CHAR(RANDBETWEEN(65, 90))

**Random Small letters:**

=CHAR(RANDBETWEEN(97,122))

**Generate String of Random characters:**

= CHAR(RANDBETWEEN(65, 90)) & CHAR(RANDBETWEEN(65, 90))& CHAR(RANDBETWEEN(65, 90))

**Generate Random digits/numbers:**

=RAND (0, 100) or RANDBETWEEN (0, 100)

# Tricks N Tips:

1. Private Sub Workbook\_Open() 🡪 to do any operations when a workbook is closed and reopened
2. Private Sub Worksheet\_Change(ByVal Target As Range) 🡪 sub function is executed when any state/value of cell or object is changed in a worksheet/sheet

# Reference Links:

* **Vlookups:**

<http://www.myonlinetraininghub.com/excel-vlookup-with-dynamic-column-reference>

<https://exceljet.net/formula/two-way-lookup-with-vlookup>

* **Tables:**

<http://www.jkp-ads.com/Articles/Excel2007TablesVBA.asp>

* **Recordset: DB in excel**

https://blog.udemy.com/vba-recordset/