Sub advgrademessage()

sigline = "Sincerely, " + Chr(10) + "Mark A. Palmer" + Chr(10) + "Associate Professor Manufacturing Engineering" + Chr(10) + "Your Instructor for IME 301"

SubLine = "IME 301 Fall 2016 Advance Grade"

celladdress = "b62"

NoStudents = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

For StudentCntr = 1 To NoStudents

If StudentCntr > 8 Then

celladdress = "c" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "c" + Right(Str(StudentCntr + 1), 1)

End If

studemail = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value + "@kettering.edu"

If StudentCntr > 8 Then

celladdress = "a" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "a" + Right(Str(StudentCntr + 1), 1)

End If

studfname = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "b" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "b" + Right(Str(StudentCntr + 1), 1)

End If

studlname = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

studfullname = studfname + " " + studlname

MsgBoxStr$ = "Proceed with Update for " + studfullname

MsgBox (MsgBoxStr$)

NewFilenameStart$ = studfullname + " "

memline1 = "To: " + studfullname

memline2 = "From: Mark A. Palmer"

memline3 = "December 10, 2016"

salutation = "Dear " + studfname + ":"

If StudentCntr > 8 Then

celladdress = "av" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "av" + Right(Str(StudentCntr + 1), 1)

End If

midtermgrade1 = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "al" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "al" + Right(Str(StudentCntr + 1), 1)

End If

midtermgrade2 = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ab" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ab" + Right(Str(StudentCntr + 1), 1)

End If

advgrade = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "au" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "au" + Right(Str(StudentCntr + 1), 1)

End If

midtermavg1 = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ak" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ak" + Right(Str(StudentCntr + 1), 1)

End If

midtermavg2 = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "aa" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "aa" + Right(Str(StudentCntr + 1), 1)

End If

advavg = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

avgchange1 = Left(Str(midtermavg2 - midtermavg1), 4)

avgchange2 = Left(Str(advavg - midtermavg2), 4)

openline = "I wanted to let you know that your advance (pre-final exam) grade is " + advgrade + ". This is based on all work prior to the final examination, and represents 70% of your course grade. Your first and second midterm grades were " + midtermgrade1 + ", and " + midtermgrade2 + " respectively. This represents a change in your course average of " + avgchange2 + " points, since the last update."

If StudentCntr > 8 Then

celladdress = "e" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "e" + Right(Str(StudentCntr + 1), 1)

End If

HW1Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW1Gr = "" Then

HW1GrTxt = "Skipped"

Else

HW1GrTxt = Str(HW1Gr)

End If

If StudentCntr > 8 Then

celladdress = "f" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "f" + Right(Str(StudentCntr + 1), 1)

End If

HW2Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW2Gr = "" Then

HW2GrTxt = "Skipped"

Else

HW2GrTxt = Str(HW2Gr)

End If

If StudentCntr > 8 Then

celladdress = "g" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "g" + Right(Str(StudentCntr + 1), 1)

End If

HW3Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW3Gr = "" Then

HW3GrTxt = "Skipped"

Else

HW3GrTxt = Str(HW3Gr)

End If

If StudentCntr > 8 Then

celladdress = "h" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "h" + Right(Str(StudentCntr + 1), 1)

End If

HW4Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW4Gr = "" Then

HW4GrTxt = "Skipped"

Else

HW4GrTxt = Str(HW4Gr)

End If

If StudentCntr > 8 Then

celladdress = "i" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "i" + Right(Str(StudentCntr + 1), 1)

End If

HW5Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW5Gr = "" Then

HW5GrTxt = "Skipped"

Else

HW5GrTxt = Str(HW5Gr)

End If

If StudentCntr > 8 Then

celladdress = "j" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "j" + Right(Str(StudentCntr + 1), 1)

End If

HW6Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW6Gr = "" Then

HW6GrTxt = "Skipped"

Else

HW6GrTxt = Str(HW6Gr)

End If

If StudentCntr > 8 Then

celladdress = "k" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "k" + Right(Str(StudentCntr + 1), 1)

End If

HW7Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW7Gr = "" Then

HW7GrTxt = "Skipped"

Else

HW7GrTxt = Str(HW7Gr)

End If

If StudentCntr > 8 Then

celladdress = "l" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "l" + Right(Str(StudentCntr + 1), 1)

End If

HW8Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If HW8Gr = "" Then

HW8GrTxt = "Skipped"

Else

HW8GrTxt = Str(HW8Gr)

End If

If StudentCntr > 8 Then

celladdress = "m" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "m" + Right(Str(StudentCntr + 1), 1)

End If

Test1Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "n" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "n" + Right(Str(StudentCntr + 1), 1)

End If

Test2Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "o" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "o" + Right(Str(StudentCntr + 1), 1)

End If

Test3Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "p" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "p" + Right(Str(StudentCntr + 1), 1)

End If

Test4Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "q" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "q" + Right(Str(StudentCntr + 1), 1)

End If

Test5Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "r" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "r" + Right(Str(StudentCntr + 1), 1)

End If

Test6Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "s" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "s" + Right(Str(StudentCntr + 1), 1)

End If

Test7Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "t" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "t" + Right(Str(StudentCntr + 1), 1)

End If

Test8Gr = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "aw" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "aw" + Right(Str(StudentCntr + 1), 1)

End If

NoHWAcc = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ax" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ax" + Right(Str(StudentCntr + 1), 1)

End If

NoHWBAcc = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ay" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ay" + Right(Str(StudentCntr + 1), 1)

End If

NoHWUnacc = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "az" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "az" + Right(Str(StudentCntr + 1), 1)

End If

NoHWSkipped = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

NoHWTurnedIn = 8 - NoHWSkipped

If NoHWTurnedIn = 8 Then

hwlinept1 = "You have turned in all of the homework assignments"

Else

hwlinept1 = "You have only turned in " + Str(NoHWTurnedIn) + " of the 8 HW assignments"

End If

hwgradeline = "Your HW Grades are HW1: " + HW1GrTxt + ", HW2: " + HW2GrTxt + ", HW3: " + HW3GrTxt + ", HW4: " + HW4GrTxt + ", HW5: " + HW5GrTxt + ", HW6: " + HW6GrTxt + ", HW7: " + HW7GrTxt + ", HW8: " + HW8GrTxt

testgradeline = "Your Test Grades are Test 1: " + Str(Test1Gr) + ", Test 2: " + Str(Test2Gr) + ", Test 3: " + Str(Test3Gr) + ", Test 4: " + Str(Test4Gr) + ", Test 5: " + Str(Test5Gr) + ", Test 6: " + Str(Test6Gr) + ", Test 7: " + Str(Test7Gr) + ", Test 8: " + Str(Test8Gr)

If NoHWAcc = 0 Then

hwinterplacc = ""

Else

hwinterplacc = Str(NoHWAcc) + " were acceptable, "

End If

If NoHWBAcc = 0 Then

hwinterplbacc = ""

Else

hwinterplbacc = Str(NoHWBAcc) + " were barely acceptable, "

End If

If NoHWUnacc = 0 Then

hwinterplunacc = ""

Else

hwinterplunacc = Str(NoHWUnacc) + " were unaccceptable, "

End If

hwinterpline = hwinterplacc + " " + hwinterplbacc + " " + hwinterplunacc + ". "

hwparagraph = hwgradeline + " " + hwinterpline

If StudentCntr > 8 Then

celladdress = "bb" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "bb" + Right(Str(StudentCntr + 1), 1)

End If

ATests = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "bc" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "bc" + Right(Str(StudentCntr + 1), 1)

End If

BTests = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "bd" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "bd" + Right(Str(StudentCntr + 1), 1)

End If

CTests = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "be" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "be" + Right(Str(StudentCntr + 1), 1)

End If

DTests = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "bf" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "bf" + Right(Str(StudentCntr + 1), 1)

End If

FTests = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "bg" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "bg" + Right(Str(StudentCntr + 1), 1)

End If

MFTests = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

TestsPassed = ATests + BTests + CTests + DTests

TestsFailed = FTests

If TestsFailed = 0 Then

tfpart = " "

Else

If MFTests = 0 Then

mfpart = ". "

Else

mfpart = Str(MFTests) + " of these miserably. "

End If

tfpart = "You have failed " + Str(TestsFailed) + mfpart

End If

If TestsPassed = 0 Then

tppart = ""

Else

If ATests = 0 Then

tapart = " "

Else

tapart = Str(ATests) + " were A's, "

End If

If BTests = 0 Then

tbpart = " "

Else

tbpart = Str(BTests) + " were B's, "

End If

If CTests = 0 Then

tcpart = " "

Else

tcpart = Str(CTests) + " were C's, "

End If

If DTests = 0 Then

tdpart = " "

Else

tdpart = Str(DTests) + " were D's, "

End If

tppart = "You have passed " + Str(TestsPassed) + tapart + tbpart + tcpart + tdpart

End If

testinterpline = tppart + ". " + tfpart + ". "

testparagraph = testgradeline + " " + testinterpline

If StudentCntr > 8 Then

celladdress = "ac" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ac" + Right(Str(StudentCntr + 1), 1)

End If

ReqAPerf = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ad" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ad" + Right(Str(StudentCntr + 1), 1)

End If

ReqAImp = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ae" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ae" + Right(Str(StudentCntr + 1), 1)

End If

ReqBPerf = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "af" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "af" + Right(Str(StudentCntr + 1), 1)

End If

ReqBImp = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ag" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ag" + Right(Str(StudentCntr + 1), 1)

End If

ReqCPerf = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ah" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ah" + Right(Str(StudentCntr + 1), 1)

End If

ReqCImp = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "ai" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "ai" + Right(Str(StudentCntr + 1), 1)

End If

ReqDPerf = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If StudentCntr > 8 Then

celladdress = "aj" + Right(Str(StudentCntr + 1), 2)

Else

celladdress = "aj" + Right(Str(StudentCntr + 1), 1)

End If

ReqDImp = ActiveWorkbook.Sheets("Base Sheet").Range(celladdress).Value

If ReqAPerf > 300 Then

ToGetAPart = " "

Else

ToGetAPart1 = "To earn an A in this course your score on the final exam will need to be " + Left(Str(ReqAPerf), 4) + " of 300 points."

If ReqAImp > 0.75 Then

ToGetAPart2 = " This score represents maintaining your test performance at " + Left(Str(ReqAImp \* 100), 4) + " percent of its current level."

Else

ToGetAPart2 = " "

End If

ToGetAPart = ToGetAPart1 + ". " + ToGetAPart2

End If

If ReqBPerf > 300 Then

ToGetBPart = " "

Else

ToGetBPart1 = "To earn a B in this course your score on the final exam will need to be at least " + Left(Str(ReqBPerf), 4) + " of 300 points."

If ReqBImp > 0.75 Then

ToGetBPart2 = " This score represents maintaining your test performance at " + Left(Str(ReqBImp \* 100), 4) + " percent of its current level."

Else

ToGetBPart2 = " "

End If

ToGetBPart = ToGetBPart1 + ". " + ToGetBPart2

End If

If ReqCPerf > 300 Then

ToGetCPart = " "

Else

ToGetCPart1 = "To earn a C in this course your score on the final exam will need to be at least " + Left(Str(ReqCPerf), 4) + " of 300 points."

If ReqCImp > 0.75 Then

ToGetCPart2 = " This score represents maintaining your test performance at " + Left(Str(ReqCImp \* 100), 4) + " percent of its current level."

Else

ToGetCPart2 = " "

End If

ToGetCPart = ToGetCPart1 + ". " + ToGetCPart2

End If

If ReqDPerf > 300 Then

ToGetDPart = " "

Else

ToGetDPart1 = "To earn a D in this course your your score on the final exam will need to be at least " + Left(Str(ReqDPerf), 4) + " of 300 points."

If ReqDImp > 0.75 Then

ToGetDPart2 = " This score represents maintaining your test performance at " + Left(Str(ReqDImp \* 100), 4) + " percent of its current level."

Else

ToGetDPart2 = " "

End If

ToGetDPart = ToGetDPart1 + ". " + ToGetDPart2

End If

fparpart1 = "The final examination counts for 30% of your course grade. Therefore assuming HW6 and HW 8 are acceptable the following is possible."

fpossline = ToGetAPart + Chr(10) + ToGetBPart + Chr(10) + ToGetCPart + Chr(10) + ToGetDPart

ffinaline = "Please use this opportunity to review your performance to date, and set goals for yourself. Please contact me to both discuss these goals and determine an action plan to ensure you meet the goals."

finalparagraph = fparpart1 + Chr(10) + fpossline + Chr(10) + ffinalline

emailmessage = salutation + Chr(10) + openline + Chr(10) + hwparagraph + Chr(10) + testparagraph + Chr(10) + finalparagraph + Chr(10) + sigline

memline4 = SubLine

memparagraph = memline1 + Chr(10) + memline2 + Chr(10) + memline3 + Chr(10) + memline4 + Chr(10) + "------------------------" + Chr(10) + Chr(10)

fmessage = memparagraph + emailmessage

MsgBox (fmessage)

Set app = CreateObject("Outlook.Application")

Set itm = app.createitem(0)

With itm

.Subject = SubLine

.To = studemail

.body = fmessage

.display

.send

End With

Set app = Nothing

Set itm = Nothing

texttomsbox = "Message Sent to: " + studemail

MsgBox ("Performance Update Written")

Next StudentCntr

End Sub