Sub mtgrade2message()

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 MidTerm Grade Update 2"

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

 salutation = "Dear " + studfname + ":"

 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

 NewFilenameStart$ = studfullname + " "

 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 = "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

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

 openline = "I wanted to let you know that your current midterm grade is " + midtermgrade2 + ". This is based on the first 5 tests and the first 5 HW's, and represents 42.5% of your course grade. Your first midterm grade was " + midtermgrade1 + ". This represents a change in your course average of " + avgchange + " points."

 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 StudentCntr > 8 Then

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

 Else

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

 End If

 If HW2Gr = "" Then

 HW2GrTxt = "Skipped"

 Else

 HW2GrTxt = Str(HW2Gr)

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

 If HW3Gr = "" Then

 HW3GrTxt = "Skipped"

 Else

 HW3GrTxt = Str(HW3Gr)

 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 = "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 = "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 = 5 - NoHWSkipped

 If NoHWTurnedIn = 5 Then

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

 Else

 hwlinept1 = "You have only turned in " + Str(NoHWTurnedIn) + " of the 5 HW assignments"

 End If

 hwgradeline = "Your HW Grades are HW1: " + HW1GrTxt + ", HW2: " + HW2GrTxt + ", HW3: " + HW3GrTxt + ", HW4: " + HW4GrTxt + ", HW5: " + HW5GrTxt

 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)

 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 = "am" + Right(Str(StudentCntr + 1), 2)

 Else

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

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

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

 If StudentCntr > 8 Then

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

 Else

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

 End If

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

 If ReqAPerf > 60 Then

 ToGetAPart = " "

 Else

 ToGetAPart1 = "To earn an A in this course your average on Tests 6-8 will need to be at least " + Left(Str(ReqAPerf), 3)

 If ReqAImp > 0.75 Then

 ToGetAPart2 = " , and you will need to perform correspondingly well on the final examination. This means you need to maintain 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 > 60 Then

 ToGetBPart = " "

 Else

 ToGetBPart1 = "To earn a B in this course your average on Tests 6-8 will need to be at least " + Left(Str(ReqBPerf), 3)

 If ReqBImp > 0.75 Then

 ToGetBPart2 = " , and you will need to perform correspondingly well on the final examination. This means you need to maintain 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 > 60 Then

 ToGetCPart = " "

 Else

 ToGetCPart1 = "To earn a C in this course your average on Tests 6-8 will need to be at least " + Left(Str(ReqCPerf), 3)

 If ReqCImp > 0.75 Then

 ToGetCPart2 = " , and you will need to perform correspondingly well on the final examination. This means you need to maintain 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 > 60 Then

 ToGetDPart = " "

 Else

 ToGetDPart1 = "To earn a D in this course your average on Tests 6-8 will need to be at least " + Left(Str(ReqDPerf), 3)

 If ReqDImp > 0.75 Then

 ToGetDPart2 = " , and you will need to perform correspondingly well on the final examination. This means you need to maintain your test performance at " + Left(Str(ReqDImp \* 100), 4) + " percent of its current level."

 Else

 ToGetDPart2 = " "

 End If

 ToGetDPart = ToGetDPart1 + ". " + ToGetDPart2

End If

fparpart1 = "Because 57.5% of your grade is still undecided, I wanted to let you know what is possible for you to achieve as a course grade. If you submit acceptable HW's for HW6-8, then 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."

ffinalline2 = "Please make sure you turn in HW7 and HW8; doing these assignments and tests, are excellent preparation for the final examination."

finalparagraph = fparpart1 + Chr(10) + fpossline + Chr(10) + ffinalline + " " + ffinalline2

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