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