Sub finalmessage()

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 Final Course 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

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

If StudentCntr > 8 Then

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

Else

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

End If

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

If StudentCntr > 8 Then

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

Else

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

End If

If StudentCntr > 8 Then

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

Else

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

End If

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

If StudentCntr > 8 Then

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

Else

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

End If

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

termchange = advavg - midtermavg1

finalchange = fexamscore / 5 - advavg

openline = "I wanted to let you know that your score on the final examination was " + Right(Str(fexamscore), 4) + ", which corresponds to a " + fexamgrade + ". As a result your course grade is: " + coursegrade + "."

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 StudentCntr > 8 Then

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

Else

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

End If

If HW4Gr = "" Then

HW4GrTxt = "Skipped"

Else

HW4GrTxt = Str(HW4Gr)

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

MsgBox (hwlinept1)

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

MsgBox (hwgradeline)

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

If StudentCntr > 8 Then

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

Else

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

End If

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

If StudentCntr > 8 Then

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

Else

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

End If

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

If StudentCntr > 8 Then

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

Else

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

End If

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

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

testparagraph = testgradeline + " " + testinterpline

Select Case TermTrend

Case "MI"

Select Case FChange

Case "MI"

finterpline = "You showed major improvement throughout the term. You followed this up with a major improvement on the final examination. Great job. Please make sure you understand what you did and repeat it in future courses. "

Case "I"

finterpline = "You showed major improvement throughout the term. You followed this up with improvement on the final examination. Great job. Please make sure you understand what you did and repeat it in future courses. "

Case "C"

finterpline = "You showed major improvement throughout the term, and your performance on the final examination was representative of the improved performance. Great job. Please make sure you understand what you did and repeat it in future courses. "

Case "D"

finterpline = "You showed major improvement throughout the term, but your performance declined on the final examination. Please review what you did during the term so that you can repeat it in future courses. Please assess how you prepared for the final examination, so that you can learn to use final exams to your advantage. "

Case "MD"

finterpline = "You showed major improvement throughout the term, but your performance significantly declined on the final examination. Please review what you did during the term so that you can repeat it in future courses. Please assess how you prepared for the final examination, so that you can learn to use final exams to your advantage. "

End Select

Case "I"

Select Case FChange

Case "MI"

finterpline = "You showed improvement throughout the term. Your followed this up with a major improvement on the final examination. Great job. Please make sure you understand what you did and leverage it in future courses. "

Case "I"

finterpline = "You showed improvement throughout the term. Your followed this up with improvement on the final examination. Good job. Please make sure you understand what you did and leverage it in future courses. "

Case "C"

finterpline = "You showed improvement throughout the term, and your performance on the final examination was representative of the improved performance. Good job. Please make sure you understand what you did and repeat it in future courses. "

Case "D"

finterpline = "You showed improvement throughout the term, but your performance declined on the final examination. Please review what you did during the term so that you can repeat it in future courses. Please assess how you prepared for the final examination, so that you can learn to use final exams to your advantage. "

Case "MD"

finterpline = "You showed improvement throughout the term, but your performance significantly declined on the final examination. Please review what you did during the term so that you can repeat it in future courses. Please assess how you prepared for the final examination, so that you can learn to use final exams to your advantage. "

End Select

Case "C"

Select Case FChange

Case "MI"

finterpline = "Your performance was consistent throughout the term. However, you followed it up with a major improvement on the final examination. You should be very proud. Please assess what you did throughout the term and compare it to what you did to prepare for the final. Hopefully, you can leverage the latter to improve the former. "

Case "I"

finterpline = "Your performance was consistent throughout the term. However, you followed it up with an improvement on the final examination. You should be proud. Please assess what you did throughout the term and compare it to what you did to prepare for the final. Hopefully, you can leverage the latter to improve the former. "

Case "C"

Select Case BFGrade

Case "A"

finterpline = "I noticed that your performance was consistent throughout the term. Given that your performance was consistently excellent, you should be very proud of your performance. Please make sure you continue to do what you are doing in future courses. "

Case "B"

finterpline = "I noticed that your performance was consistent throughout the term. Given that your performance was consistently good, you should be proud of your performance. I suggest you assess your time management and study skills to find out how you can build on your significant strengths so that you can improve those few areas requiring improvement. If you do this in future courses, I think you could get A's consistently. "

Case "C"

finterpline = "I noticed that your performance was consistent throughout the term. Given that your performance was consistently acceptable, while you should be proud of your performance, you should recognize that there is room for improvement. I suggest you assess your time management and study skills to find out how you can build on your strengths so that you can improve those areas requiring improvement. If you do this in future courses, I think you could get B's or even A's consistently."

Case "D"

finterpline = "I noticed that your performance was consistent throughout the term. Given that your performance was consistently marginal, you should recognize that there is room for improvement. I suggest you carefully assess your time management and study skills. While doing so it is easy and important to look for those areas requiring improvement. Do not forget to identify your strengths. As you address those areas requiring improvement, make sure you build on these strengths."

Case "F"

finterpline = "I noticed that your performance was consistent throughout the term. Given that your performance was consistently unacceptable (failing), you need to recognize that there is room for significant improvement. I suggest you critically assess your time management and study skills. Given the situation it is easy and important to look for those areas requiring improvement. Do not forget to identify your strengths. As you address those areas requiring improvement, make sure you build on these strengths."

End Select

Case "D"

finterpline = "Your performance was consistent throughout the term. However, your performance declined on the final examination. Please assess your final examination preparation strategy, so that you can avoid this in future classes. "

Case "MD"

finterpline = "Your performance was consistent throughout the term. However, your performance on the final examination showed a major decline. Please assess your final examination preparation strategy, so that you can avoid this in future classes. "

End Select

Case "D"

Select Case FChange

Case "MI"

finterpline = "Your performance declined throughout the term. However, you followed it up with a major improvement on the final examination. You should be very proud. Please assess what you did throughout the term and compare it to what you did to prepare for the final. Hopefully, you can leverage the latter to improve the former. "

Case "I"

finterpline = "Your performance declined throughout the term. However, you followed it up with an improvement on the final examination. You should be proud. Please assess what you did throughout the term and compare it to what you did to prepare for the final. Hopefully, you can leverage the latter to improve the former. "

Case "C"

finterpline = "Your performance declined throughout the term, and your performance on the final examination was representative of the declining performance. This means that you need to really examine how you managed your time and prepared for tests and the final examination. I hope you assess your time management and study habits, so you can improve your performance in future courses. "

Case "D"

finterpline = "Your performance declined throughout the term. This decline continued on the final examination. This means that you need to really examine how you managed your time and prepared for tests and the final examination. I hope you assess your time management and study habits, so you can improve your performance in future "

Case "MD"

finterpline = "Your performance declined throughout the term. Then your performance on the final examination showed a major decline. This means that you need to really examine how you managed your time and prepared for tests and the final examination. I hope you assess your time management and study habits, so you can improve your performance in future "

End Select

Case "MD"

Select Case FChange

Case "MI"

finterpline = "Your performance showed a major decline throughout the term. However, you followed it up with a major improvement on the final examination. You should be very proud. Please assess what you did throughout the term and compare it to what you did to prepare for the final. Hopefully, you can leverage the latter to improve the former. "

Case "I"

finterpline = "Your performance showed a major decline throughout the term. However, you followed it up with an improvement on the final examination. You should be proud. Please assess what you did throughout the term and compare it to what you did to prepare for the final. Hopefully, you can leverage the latter to improve the former. "

Case "C"

finterpline = "Your performance showed a major decline throughout the term, and your performance on the final examination was representative of the declining performance. This means that you need to really examine how you managed your time and prepared for tests and the final examination. I hope you assess your time management and study habits, so you can improve your performance in future courses. . "

Case "D"

finterpline = "Your performance showed a major decline throughout the term. Your performance on the final also declined. This means that you need to really examine how you managed your time and prepared for tests and the final examination. I hope you assess your time management and study habits, so you can improve your performance in future "

Case "MD"

finterpline = "Your performance showed a major decline throughout the term. Then your performance on the final examination showed another major decline. This means that you need to really examine how you managed your time and prepared for tests and the final examination. I hope you assess your time management and study habits, so you can improve your performance in future "

End Select

End Select

ffinalline = "Thank you for being part of this class. If I can help you implement the suggestions I made, or in any other way in the future, please let me know. "

finalparagraph = finterpline + Chr(10) + ffinalline

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

Set app = CreateObject("Outlook.Application")

Set itm = app.createitem(0)

With itm

.Subject = SubLine

.To = studemail

.body = emailmessage

.display

.send

End With

Set app = Nothing

Set itm = Nothing

texttomsbox = "Message Sent to: " + studemail

MsgBox (texttomsbox)

Next StudentCntr

End Sub