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**Python 2: Getting More Out of Python  
Lesson 12, Project 1**

Handed in: 30 Mar 2015 06:26:21PM Graded: 1 Apr 2015 03:33:57PM

**Here are your instructions:**

Write a function that takes an email address, a string, and a list argument. It should return an email message addressed to the email address passed as the first argument, with the second argument as the message body. If the list is non-empty, then each list item should be treated as the name of a file and the corresponding file should be attached (with an appropriate MIME type) to the message.

Please include any files to attach in the same folder as your program. There is no need to send it as an email with smtp, though you may wish to print it as a string as a part of testing.

**Your Comment:**

Pat,

I was going to make the test more robust by specifying the content type of the message (plain text & html) but the assignment doesn't allow for that, but I was able to test attachments and no attachments and it seems to work.

**Items Handed In**

* [Open Project Handed In](https://students.oreillyschool.com/student/project/?/.handin/160-7918-1/com.ost.jwoloson.160.7918.1.HandlingEmail_Homework.zip)

**Overall Comments:**

Hi Jason,

This is a really good first attempt, but I would change at least one thing ... Instead of:

if you can read this it worked!

... you might want to go:

if you can read this it \*looks like\* it worked

The reason for this is a little bit subtle. Your main app is not really attaching the files, as one might think. Instead, it's attaching strings with the names of files. We can use the built-in walk() method to explore the contents of one of these emails:

msg.walk()

for w in msg.walk():

print(w)

Content-Type: multipart/mixed; boundary="===============4704189949398333695=="

MIME-Version: 1.0

To: jmwoloso@asu.edu

--===============4704189949398333695==

Content-Type: text/plain; charset="us-ascii"

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

if you can read this it worked!

--===============4704189949398333695==

Content-Type: multipart/(3, 'C:\\Users\\pbarton\\AppData\\Local\\Temp\\tmpk9u07hio.png'); boundary="===============1980353415655253401=="

What you really want to do here is attach a real \*.png file , perhaps the one in your /src directory. But to do this you'll need to use the appropriate file encoder (which you might be able to discover mimetypes.guess\_type()) in order to squeeze the contents of the file into the first 127 elements of the ASCII character set. You might find this article to be interesting:

http://docs.python.org/3.2/library/email-examples.html.

-Pat

**Grade:**

Try Again

Your instructor would like you to work on this project. Be sure to hand in your corrections!

[Take Me Back](ostreturn:)

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