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**Python 2: Getting More Out of Python  
Lesson 6, Project 1**

Handed in: 7 Mar 2015 12:42:10PM Graded: 9 Mar 2015 06:04:47PM

**Here are your instructions:**

The zipfile example in the lesson text stores the full path of the files that it saves to the zipfile. Normally, however, zipfiles contain only a relative pathname (you will see that when the names are listed after the zipfile is created, the "v:\\" has been removed).

Create a project named **Archives\_Homework** and add it to the **Python2\_Homework** working set. In this project, write a function that takes a directory path and creates an archive of the directory only. For example, if the same path were used as in the example ("v:\\workspace\\Archives\\src\\archive\_me"), the zipfile would contain "archive\_me\\groucho" "archive\_me\\harpo" and "archive\_me\\chico."

Note that zipfile.namelist() always uses forward slashes in what it returns, a fact you will need to accommodate when comparing observed and expected.

The base directory ("archive\_me" in the example above) is the final element of the input, and all paths recorded in the zipfile should start with the base directory.

If the directory contains subdirectories, the subdirectory names and any files in the subdirectories should not be included. (Hint: You can use isfile() to determine if a filename represents a regular file and not a directory.)

**Your Comment:**

Pat,

All done! As with all of these projects thus far, the bulk of it I get done fairly quickly, but there

always seems to be one little part that is the lynch pin for the whole project for me, so I spend an

hour or more working through a couple lines of code and experimenting and it's great fun. I was

having the hardest time getting a temporary sub-directory to be created inside the main temp

directory. I wanted that as one more wrinkle in my test so I could use isfile() to check what I was

appending to my list.

I figured: Create one temp directory, navigate into it and create another one, but that never

worked. The 2nd temp directory would just be created in the same base directory as the first so

they were side by side insted of the 2nd being nested within the first. So I went with os.mkdir()

and created an actual one inside the temp one which worked out.

-Jason

**Items Handed In**

* [Open Project Handed In](https://students.oreillyschool.com/student/project/?/.handin/160-7864-1/com.ost.jwoloson.160.7864.1.Archives_Homework.zip)

**Overall Comments:**

Hi Jason,

Good job on this one. A couple things I would point out:

-There is no rule that says you can't create two temporary directories, is there? Really, you can have as many as you want.

-You done a good job of taking advantage of the fact that you can create directories and navigate using Python libraries. You should be aware that the default directory for almost any file system tool is the current one. If you remember this, you can save a lot of code complexity.

-Pat

**Grade:**

Great

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