Name _____

CPADS Lab Activity II
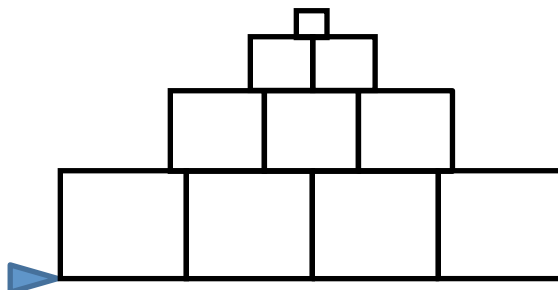# Due: Wednesday, 10-14-2015

For this lab activity, you have been provided with a broken Python project, **Lab_Activity_2.zip**, which you must first download from the CS100 website. From your download folder, extract the ZIP file into the same location where you have been storing your other work for CS100. You can then open the extracted folder as a Python project by browsing to it in under **File->Open->Open File or Project**.

Run the **broken_pyramid.py** file that is located in the project. If you are asked to select a Python interpreter, choose **Python 3.x** from the dropdown box in the dialog window.

This exercise is intended to introduce you to debugging. The provided file was created from the solution for **Lab_Activity_1** but with many syntax, runtime, and semantic errors introduced into the code.

Your task for this activity is to identify and correct each error on the sheet provided.

1. Correct all **syntax** errors by running the program, noting the line number where the error occurs along with the type of error, correcting the error in the code, and running the program to produce the next error. Repeat this process correcting one error at a time until all syntax errors are removed.
2. You may encounter **run time** errors, e.g. infinite loops or system crash not caused by syntax errors during step 1. These will keep you from proceeding with step 1. Also record these errors and what you did to fix them.
3. Once the program is running, i.e. runs to completion without crashing, note that the output is incorrect, as it does not properly draw the decreasing block size pyramid shown below. Thus it contains several **semantic** errors. Identify and correct each semantic error such that the program produces correct output.

Please feel free to ask for assistance while working on this lab. After you have completed all of the above tasks, demonstrate your completed program to your instructor. If you do not finish the lab in class, work on it outside of class until it is complete.

Name _____

Line Number	Error Description	Corrective Action

Name _____

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