Homework 4

Due date: Monday February 23, 11:59pm

Pick **one (1)** of the items below and write a code to answer the question; all questions may need an iterator or a generator to solve the problem effectively.

1. Write a function findfiles that recursively descends the directory tree for the specified directory and generates paths of all the files in the tree.
2. Write a function to compute the number of python files (.py extension) in a specified directory recursively.
3. Write a function to compute the total number of lines of code in all python files in the specified directory recursively.
4. Write a function to compute the total number of lines of code, ignoring empty and comment lines, in all python files in the specified directory recursively.
5. Write a program split.py, that takes an integer n and a filename as command line arguments and splits the file into multiple small files with each having n lines.

Send the code (and if other files are need include those too) to beerli@fsu.edu. I only expect the answer to one of the questions, but I will look at additional answers too; but only one will be graded.