Learning objectives:
Use Python indexing and slicing facilities.
Use Python string-processing functions.

Name your solutions lab5_1.py, lab5_2.py, etc

1. Name switching.
   Ask the user to enter a person's name in first-last order, and display the name in last-comma-first order. For example, if the user enters the string "Thomas Jefferson", the output should be "Jefferson, Thomas". Call the program nameReverse.py.

2. Portion of a domain name.
   Ask the user to enter a three-part internet domain name and print the company name only. For example, if the user enters the string "www.Amazon.com", the output should be "Amazon". Call the program companyName.py.

3. Letter Grades.
   Do Programming Exercise 3 from Chapter 5. Call the program gradeToLetter.py. A professor grades on a 100-point scale with 10-point ranges. Ask for a numerical grade and display the letter grade.

   Do Exercise 9 that counts the words in a sentence. Call the program wordCount.py. For example, if the user enters the sentence "The quick brown fox jumps over the lazy dog", the output should be 9.

5. Making a secret code.
   Do the part of Exercise 7 that encodes a simple cipher. For example, if the user enters the string "hello" and the key 3, the output should be "khoor". Note that letters late in the alphabet will "fall off the end" of the alphabet. Call the program encode.py.

6. Wrapping.
   Exercise 8 in the chapter discusses the problem of “drop[ping] of the end” of the alphabet. Modify your solution to the previous problem calling your program encodeBetter.py. This program will perform a circular shift of a character so that a string encodes to another set of characters. For example, if the user enters the string "xray" and the key 3, the output should be "audb".

7. Using the graphics package
   Create a window and draw a stick figure.

8. Using the graphics package (advanced)
   Create a window and draw a stick figure that jumps up in the air and then returns to the ground. Use an input statement to pause the stick figure in the air.

Upload the files to both student accounts (don't forget to submit).

Delete any files that you have put on the desktop. Empty the trash. Log off the computer.