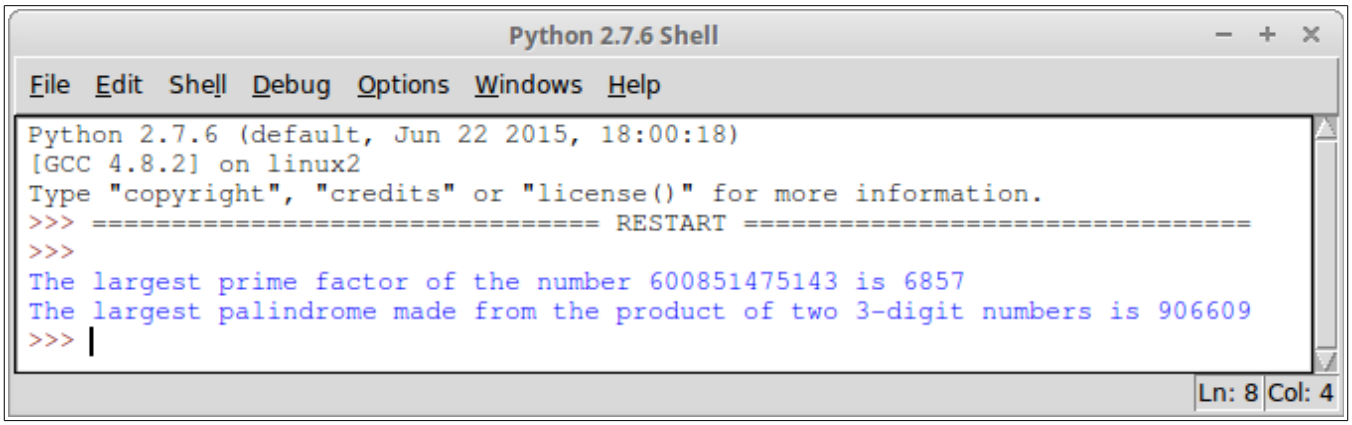
Program 3: Project Euler Problems 3 and 4

Problem 3 (https://projecteuler.net/problem=3)
The prime factors of 13,195 are 5, 7, 13, and 29. What is the largest prime factor of the number 600,851,475,143?

Problem 4 (https://projecteuler.net/problem=4)
A palindromic number reads the same both ways. The largest palindrome made from the product of two 2-digit numbers is 9009 = 91 × 99. Find the largest palindrome made from the product of two 3-digit numbers.

Again, the Project Euler web site can be accessed at: https://projecteuler.net/, and the numeric solutions can be found at: https://code.google.com/p/projecteuler-solutions/wiki/ProjectEulerSolutions.

Your task is to write a **single** Python program that solves **both** problems. Here is my output in IDLE:



Homework: Project Euler Problems 3 and 4

Write a **single** Python program that correctly calculates the numeric solutions to **both** Project Euler problems 3 and 4.

Make sure to put an appropriate header at the top of your program and to appropriately comment your source code as necessary. A template that you can choose to use as a starting point will be provided to you. **Only submit your source code (i.e., a single `.py` file).**