Program 5 – CS 344

Overview

In this assignment, you will be given ZERO instruction in HOW to accomplish it! The actual requirements are very simple to satisfy. This is a test of how well you can research the topic and satisfy the conditions of this Assignment on your own. This is how much of the real world works - you'll be thrown into situations that are full of unknowns, and you'll need to come up with a solution!

You are becoming a computer scientist, not a technician: you will learn how to handle ANY language thrown at you, not just the ones you are spoon-fed, by learning good research habits and techniques. The more problems you encounter and solve, the greater problem set you'll be able to infer solutions to from your background of knowledge.

This is by far the easiest assignment in this course - worth the least points, with the most time to accomplish it. You will use what you've learned here in later courses at OSU.

Specifications

For this assignment, you will create a script in the Python language. In particular, this one:

http://www.python.org/ (Links to an external site.)

All execution, compiling, and testing of this script should ONLY be done in the bash prompt on the eos-class.engr.oregonstate.edu server.

Your script must satisfy the following requirements:

1. Be contained in one single file, called mypython.py.
2. When executed, create 3 files in the same directory as your script, each named differently, which remain there after your script finishes executing. Each of these 3 files must contain exactly 10 random characters from the lowercase alphabet, with no spaces ("hoehdgwkdq", for example).

3. When executed, print out on screen the contents of the 3 files it is creating.
4. When executed, after the file contents have been printed, print out two random integers (whose range is from 1 to 42), and print out the product of the two numbers.

You do not have to parse and read the data back in from the files created in step 2 in order to complete step 3. For step 3, just dump the contents that you already randomly generated in your program directly onto the screen, if that's the easiest way for you.

Note that the visual format for all of this is completely up to you! The graders will simply be checking for the above requirements to assign your grade. Further, no help on this assignment will be provided by the Instructor or TAs at any time.