25 points Homework Assignment #1 for face-to-face sections

Objectives:

1. Discover information about the Python programming language.
2. Learn the class standards.
3. Learn information about the class’s D2L site.
4. Learn information about flowcharting.
5. Create an RTF format file.
6. Create a Windows compressed folder.
7. Submit a compressed folder to a D2L drop box.

Answer the following questions. You will use the Internet (python.org and others) for some of them and some can be found in our D2L class site. Beginning with question 12, indicate where you found the answer by including the URL reference. Insert your answers after each question and save in RTF format. Place your file in a Windows compressed folder named by following the class standards. Submit the compressed folder to the Homework 1 drop box in D2L.

1. What is your name? (1 point)

Teresa Potts

1. Why are you taking this class? (1 point)

I am taking this class to learn some basic programming to go forward to the java class. I am a QA at a software company. We are using Selenium IDE and IntelliJ with java code to do automation of our software.

1. What LCC curriculum guide are you officially following? (What field of study is listed on your LCC transcript?). (1 point)

I am studying computer programming. I am going to aim for the certificate first and see if I want to pursue the associates degree. My bachelors degree is in music business.

1. How many hours per week do you have available to devote to this class? (1 point)

I am able to devote 3-4hrs a week to this class.

1. Have you written computer programs? If so, using what programming language? (1 point)

I have written very small programs after reading about half of Head First Java. I was using java. I have written a few things using ExtJS to help with a GUI prototype at work. I have also done a little HTML and wiki markup.

1. What is your dream job? (1 point)

That is a good question. I don’t actually know the answer to that. I have been trying to figure that out for a long time. It would great if I could find a way to combine my music background with QA and programming.

1. Find information about netiquette and then define the term in your own words. (1 point)

It means to treat people how you would want to be treated via online communication. Don’t talk to people any differently than you would in person. Don’t say anything that can be taken as offensive. And do not forward anyone’s email without permission.

1. According to our CITP 110 course standards, what must all Python programs begin with? (1 point)

You must start with commented out code with the program name, your name, date, and a abstract.

1. According to our CITP 110 course standards, what are the naming conventions for compressed folders which are used for all homework submissions? (1 point)

You need to save your file name as <Last Name><First Initial>HW<Number>.py and then compress it so it turns into a .zip file.

1. What folder in D2L contains the flowcharts for the textbook’s “In the Spotlight” examples and the AV tutorials for this class? (1 point)

The folder is called “Customized logic diagrams for the textook’s “In the Spotlight” example programs”.

1. Read Chapter 1 in the Flowcharting Guide in D2L. Explain each of the 4 steps in the problem solving process described in the chapter. (4 points)

Step 1: You input test data that is supplied by the users or analyst.

Step 2: You create a logic diagram whether it be a flowchart or hierarchy chart. We will use Visio in our class.

Step 3: Program code using python code and the IDE

Step 4: Execute and test the code. Fix syntax errors before trying to execute the code. Then if it doesn’t run fix logic problems. After testing it again and verifying it is ok complete the sign off process.

**Note: For each of the remaining questions, include the URL where you found the answer.**

1. What is the derivation of the name “Python” for the Python programming language? (1 point)

http://python.org/about/success/ilm/

It comes from Monty Python. Guido van Rossum was reading scripts from Monty Python’s Flying Circus”, when he decided to name his programming language.

1. What does BDFL stand for and who is the BDFL for Python? (2 points)

http://docs.python.org/2/glossary.html?highlight=bdfl

BDFL stands for Benevolent Dictator for Life. Guido van Rossum is the BDFL.

1. Where does the BDFL for Python currently work? (1 point)

http://en.wikipedia.org/wiki/Guido\_van\_Rossum

He worked for google up until December 7, 2012. He then was going to move to Dropbox per the Wikipedia page about him.

1. In brief, what is the mission of the Python Software Foundation? (1 point)

http://python.org/psf/

It is a foundation to help publicize python and advance open source technology related to it.

1. List three operating systems on which Python can be run. (3 points)

http://python.org/download/

Windows

Mac

Linux

1. What job posting on the Python Job Board looks interesting to you? (1 point)

http://python.org/community/jobs/

Plug.dj seemed interesting since it was a program that incorporated coding and music and video. It seemed up my alley with my music degree. It also sounds like it would be fun to test considering I am doing QA currently.

1. What news story on www.python.org do you find most interesting? (1 point)

http://pyfound.blogspot.com/

I saw that wiki.python.com was compromised by an attacker on December 28th.

1. On www.python.org, briefly describe a Python Success Story you find interesting. (1 point)

http://python.org/about/success/ilm/

‘Industrial Light & Magic Runs on Python’ looked like an interesting story. It talked about how the company created for making the special effects for Star Wars evolved into a larger visual effects entity. Python has enabled to more work faster and more efficiently by hooking into previously written code easily.