



COP 1000, Principles of Computer Programming

Assignment 6: (30+30)

There are two parts to this assignment - Part 1, Part 2

Part 1:

Write the program (use the book program 6-13, `save_emp_records.py` and 6-14, `read_emp_records.py`) to a file. The program should generate text document "employees".

Compile and run the program and provide screenshots of the "ran program".

Part 2:

Using the prior program template, rewrite the program from your last assignment.

Write an interactive program using counter controlled nested loops (for loop) that would allow to input your monthly expenses/utility bills for several months (ask the user how many months). Display the records of the input. Write polite and professional interactive messages.

You should have two programs (just like your template). The programs should be named

"`save_monthly_utility.py`" & "`read_monthly_utility.py`"

Your program should write a text file "monthly_bill_details.txt" file. Your program should then be able to read the text file and print on the screen.

Deliverables:

- Take a screen shot of your ran program in paste it in a word file
- Submit your .py file/s
- Write a few sentences about what you learnt from writing the program and if you had faced any challenges. If you have faced challenges, I would like to know how you addressed those challenges.

Program Rubric showing the breakdown of points (Part 1 and Part 2):

Deliverables	Points
Screen shot/s of the ran program inserted in the same document that includes reflection and challenges.	2
.py program files	10+10
Detail comments on each line of the program (3) + Pseudocode with step numbers (3)	6
Reflections & Challenges	2
Total	30

Deliverables	Points
Screen shot/s of the ran program inserted in the same document that includes reflection and challenges.	2
.py program files	10+10
Detail comments (3)) + Pseudocode with step numbers or a flowchart (3)	6
Reflections & Challenges	2
Total	30

Purpose: The assignment would assess the comprehension of input, output to files, repetition, and function comprehension of python programming language. The assignment also requires “troubleshooting skills”.