IS 452 – Foundations of Information Processing
Instructor: Kevin Trainor
Assignment: Zelle 3e - Chapter 9 Coding Assignment
Course Component: Coding Assignments
Grading Rubric

Base Point Allocation

Base Points (23 available points)

Requirements
Assignment submitted on-time or within the allowable late period.

Percent Credit	Description
100	Meets all expectations.
0	Not submitted or submitted too late.

Submission

Timeliness (16 available points)

Requirements
Must be submitted by date and time indicated in the weekly schedule.

Percent Credit	Description
100	On Time
0	Late
0	Not submitted or submitted too late

File Submitted (10 available points)

Requirements
Submit only 1 file.
File type must be .ZIP.
File name must conform to all requirements stated in assignment instructions (lastName_firstName_assignmentName.zip).
Contents of .ZIP file must be a properly named directory that represents a PyCharm project.
Directory contents must be properly named PyCharm project files.

Percent Credit	Description
100	Meets all expectations.
50	Meets nearly all expectations.
0	Does not meet expectations.
0	Not submitted or submitted too late.

Exercise 1

Completeness (12 available content points)

Requirements
Must produce the expected quantity of results.
Must produce the exact values expected.
Results must be formatted as expected.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Technique (13 available content points)

Requirements
The python module must be properly named.
The python module must include standard comment lines before code.
The top-level code in the python program must be located in a procedure named "main".
If present, lower-level code in the python program must be located in procedures that have properly formed descriptive names.
If present, any variables used in the python program must have properly formed descriptive names.
The only code in the python module that is not contained inside of a procedure must be the code that calls the procedure "main".
The code that calls that procedure "main" should appear last in the python module.
The python module must not contain syntax errors.
The python module must be run-able.
Code should be factored such that there is a function in your program for each part of the problem.
Each function should contain code relating to the same thing – it should have high cohesion.
Functions should know as little as possible about the workings of other functions – they should have low coupling.
The python module must make use of all techniques that have been demonstrated in the video tutorial for this assignment.
Code must pass all relevant test cases. Make sure that it passes tests at the boundaries created by if, else, and elif conditions in your program (boundary value tests).
Finished code must be refactored to meet all of the good program design practices covered in this course.
Refactored code must be retested to demonstrate that refactoring has not altered program functionality.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Exercise 2

Completeness (13 available content points)

Requirements
Must produce the expected quantity of results.
Must produce the exact values expected.
Results must be formatted as expected.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Technique (13 available content points)

Requirements
The python module must be properly named.
The python module must include standard comment lines before code.
The top-level code in the python program must be located in a procedure named "main".
If present, lower-level code in the python program must be located in procedures that have properly formed descriptive names.
If present, any variables used in the python program must have properly formed descriptive names.
The only code in the python module that is not contained inside of a procedure must be the code that calls the procedure "main".
The code that calls that procedure "main" should appear last in the python module.
The python module must not contain syntax errors.
The python module must be run-able.
Code should be factored such that there is a function in your program for each part of the problem.
Each function should contain code relating to the same thing – it should have high cohesion.
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Finished code must be refactored to meet all of the good program design practices covered in this course.
Refactored code must be retested to demonstrate that refactoring has not altered program functionality.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Total Available Points = 100

Please Note: This grading rubric allows for adjustments to be made to your content point score. The total number of content points available to be awarded on this assignment is 51. An adjustment of up to 36 content points may be made for submissions that have a low content point score and yet meet the following criteria: Assignment must be submitted on time. Work submitted must show good faith effort on ALL parts of the assignment.