

Lab 10 – Exception Handling (The Office, Season 3)

SUBMIT original code in Python to solve the problem below.

Please be aware that copying and pasting code from any other source other than code you have explicitly written on your own is considered plagiarism. If you receive help, that is fine (document help in the comments of your code) however you need to write your own code, name your own variables, and comment your own code. Students turning in the exact same work as another student will all be given zeros. Plagiarism is not tolerated, and students found to be plagiarizing will be given a zero and reported to the University with the possibility of termination of the class and degree program.

For this lab you will modify your Lab 7 to make several improvements to the getter/setter methods. Instead of having them return True/False, modify each one to throw an exception if invalid data is passed.

Modify these methods in the following way:

- **add_hours(x)**
 - If the number of hours being added is less than 0, throw an exception. Do not change how the hours are distributed if the number of hours added is greater than 0.
- **set_employee_number(x)**
 - The employee number must be an integer. If the given input is not an integer, throw an exception
- **set_office_number(x)**
 - If the office number given is less than 100 or greater than 500, throw an exception.
- **set_name(x)**
 - If the given name is empty, throw an exception
 - Any of the following characters should be removed from the name:
 - `'_'`, `'.'`, `'-'` (Underscore, period, and dash)
- **set_birthdate(m, d, y)**
 - If the given value for the month is less than 1 or greater than 12, throw an exception
 - If the given value for the day is less than 1 or greater than 31, throw a different exception

You do not need to round or truncate your output. Name your class **Worker** and save your program as **Lab10.py** and upload just your class file to the appropriate dropbox in GradeScope, NOT D2L!

REMEMBER

- Include the comment heading at the top of your code.
 - # Program Name: Lab1.py (use the name the program is saved as)
 - # Course: IT1114/Section XXX
 - # Student Name: John Doe
 - # Assignment Number: Lab#
 - # Due Date: xx/xx/ 20XX
 - # Purpose: What does the program do (in a few sentences)?
 - # List specific resources used to complete the assignment.

- Place comments within your code explaining the programming segments