

Homework 10

Problem 1. Implement a class called `BonusTooLowException`, designed to be thrown when a bonus value is less than \$2000. Using the `Executive` class from Chapter 10, create a main program that creates and populates an `Executive` array with information entered by the user (array size as well). If a bonus value is entered that is too low, i.e. less than \$2000 throw the exception. Allow the thrown exception to terminate the program.

Problem 2. Modify the solution to the program above (submit a second file for this) such that it catches and handles the exception if it is thrown. Handle the exception by printing an appropriate message and keeping the `bonus=0`, and then continue entering more executive data. Let the program conclude by printing the total number of executives with valid bonuses, i.e. positive, more than \$2000, as well as the average pay.

NOTE: These problems do not require use of all the classes from Chapter 10.

Since `Executive` is a child of `Employee`, `StaffMember`, you can copy the classes needed to your homework folder.

Since exception handling process is different for each problem, submit two separate driver programs in addition to `BonusTooLowException` file.