Assignment 3: Make a class!🎻

Due Friday May 3rd at 11:59 PM

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Overview

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(•x•) ***Howdy***
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Now that we know about classes, it's time for you to make one! Have fun with this, let the creative juices flow. Your class can represent anything, and feel free to make more than one if you want. There are some requirements though. As long as you meet these requirements you'll get credit for this assignment 🙂

Here is the [starter code](#). Please submit the `main.cpp, writeup.txt, class.h/.cpp` to paperless.

Requirements

1. The Class:
    1. Must have a custom constructor
    2. Must have a default constructor
            a. i.e. constructor overloading
    3. Must have private members (functions and/or variables)
    4. Must have public members (functions)
    5. Must have at least one getter function
    6. Must have at least one setter function

2. Answer the following questions in `writeup.txt`:
    1. What's const-correctness and why is it important?
    2. Is your class const-correct? How do you know?

3. Initialize an object of your class in the `main.cpp` file however you'd like.

Brownie points (cool but not necessary):
   ● Make a template class!

Note remember to compile you can do the following:
                    g++ -std=c++11 main.cpp -o main

To run the main file you then do:
                            ./main

Plz submit on paperless!