Assignment 1

First attempt to make Classes and Objects

The purpose of this project is only to get you familiar with classes, member functions and data members.

You are supposed to create your own date class, similar to the way I created my own time class. Since the name date and Date are already taken create a class with your name followed by the word Date with the following properties.

3 integers for Day, year and Month

6 Access functions to get and set data members

3 Constructors (default, overloaded and copy)

1 Destructor (empty)

3 utility function for checking year and month and day values (Extra bonus to implement leap years and February days)

1 utility function to print the date object you create

A driver that demonstrates your code is working

Rubrics:

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| --- | --- | --- | --- | --- | --- |
| Private /Public Scope and Destructor | 3 constructors | 6 Access functions | 4 utility Functions | Driver | Bonus Leap year implementation |
| Well implemented %20 | Well implemented 15% | Well implemented 15% | Well implemented 20% | Well implemented 30% | Well implemented 10% |
| Have bugs 10% | Have bugs 7.5% | Have bugs 7.5% | Have bugs 10% | Have bugs 20% | Have bugs 5% |
| Not compiling  0% | Not compiling  0% | Not compiling  0% | Not compiling  0% | Not compiling  0% | Not compiling  0% |