

# CS205 - LAB4

This lab is very short, **will be graded automatically by scripts**, and will make you practice operator overloading in C++.

You are provided with a .hpp file to complete, a .cpp file to complete, and a main.cpp that you mustn't modify and is exactly what will be used to test your code. Additionally, you get a makefile. For grading, we'll compare the output with your classes to a known result.

The class that is implemented is a ChineseYear class. You are asked to write constructors, and functions and methods to write them to a stream, and to add to them a number of years. The detail is in comments in the code that is supplied.

By default, it will implicitly be the current 12-year cycle.

An information that will be useful: 1900 (remember that the field tm\_year in a struct tm is the year minus 1900) was a year of the Rat, and therefore the beginning of a 12-year cycle. It can be helpful for finding out which animal corresponds to a year.