Wk4 - DateClass

Create a class called Date that will allow the user of the class to declare and manipulate calendar dates. Your class should contain

- member variables for the month, day, and year (all integers),
- 2 constructors: a default constructor that sets all member variables to zero and an overloaded constructor that accepts 3 const integer variables for the month, day and year,
- accessor functions for all 3 member variables,
- mutator functions for all 3 member variables,
- another mutator function that accepts 3 const integer variables for the month, day, and year,
- a function that returns a string containing the name of the month, based on the value of the private member variable for month,
- a function that returns the Julian date for the stored Date instance - The Julian date is an integer representing which day of the year that date is. For example, January 12 = Julian date 12; February 17 = Julian date 48. Julian dates must take into consideration whether or not the requested year is a leap year.

Write your program using separate compilation, with date.h, date.cpp and testDate.cpp files.