

Practice for 159.234 Constructing classes.

Problem Create a class called `Date` that includes three pieces of information as data members- a day (type `int`), a month (type `int`), and a year (type `int`). Your class should have a constructor with three parameters that uses the parameters to initialize the three data members. For the purpose of this exercise, assume that the values provided for the year and day are correct, but ensure that the month value is in the range 1-12; if it isn't, set the month to 1. Provide a set and a get function for each data member. Provide a member function `displayDate` that displays the day, month and year separated by dashes (-). Write a test program that demonstrates your class.

From:: C++ How to Program (8th Edition) By Paul Deitel. Harvey Deitel

Extra: Add method(s) to check the validity of a date object for full correctness (day number, month number, year number, consider leap years too).

