

Extra Credit Problem 1

Complete within 60 minutes for 2-1/2 points. You may only have gedit and a terminal window open on your computer and must complete all work independently.

Problem: Determine the number of elapsed days between two dates.

Task: Write a python function named **validDate** that accepts integer values for month, day and year (in that order). The function returns a string.

If the date is valid, the returned value is "" (the empty string).

If the month is less than 1 or greater than 12, the string is "Month out of range."

If the day is less than 1 or greater than the number of days in the month, the string is "Day out of range."

If the year is less than 1600 or greater than 2200, the returned string is "Year out of range."

If any part of the date is invalid, it is unnecessary to check the rest.

The function must perform correctly for any integer date inputs.

For 3 points instead of 2-1/2, the function recognizes leap years.

Tips: January, March, May, July, August, October and December have 31 days. February has 28 days except in a leap year. The other months have 30 days

Leap years are divisible by 400, or divisible by 4 but not by 100.