CSCE 145: Lab 6

Objectives: Learn how to write an interactive program that makes decisions about its input.

Write a program that reads a string typed into a JOptionPane pop-up window and tests whether it represents a valid date. Display the date and a message, also using JOptionPane, that indicates whether it is valid. If it is not valid, also display a message explaining why it is not valid.

The input date is expected to have the format *mm/dd/yyyy*. A valid month value *mm* must be from 1 to 12 (January is 1). The day value *dd* must be from 1 to a value that is appropriate for the given month. September, April, June, and November each have 30 days. February has 28 days except for leap years when it has 29. The remaining months all have 31 days each. A leap year is any year that is divisible by 4, but not divisible by 100, unless it is also divisible by 400.

Upload your solution to the dropbox at https://dropbox.cse.sc.edu.