Assignment #4  NYU Calendar for Spring 2014

General Instructions. For this assignment, you will be writing one program with two parts. It should be submitted as one file using NYU Classes. The file should be named:

\[ \text{Lastname-Firstname-assign4.py} \]

You should have a comment at the top of the program, and a comment for each program part. The beginning comment should also include the assignment number, your name, the date, and your class section. This will prevent confusion.

Be sure to test your program on different inputs.

Part 1. (10 points)

Your program inputs two integers. The first integer is a month (1 – 12), and the second integer is a day of the month.

If the date entered is valid, your program should print it out in readable form. For example, if the numbers entered are 7 and 15, your program should print:

You entered July 15

However, if the date is not valid, then your program should print instead:

The date you entered is not a valid.

What makes a date valid? First, the month must be between 1 and 12. Second, the day must be valid for the month. Most months have 31 days. However, February has 28 days, and April, June, September, and November have 30 days.

Part 2. (10 points)

The NYU calendar has the following items:

- Spring Classes Begin on January 27
- President’s Day Holiday is February 17
- Spring Recess is from March 17 through March 23
- Last Day of Classes is May 13
- Exam Period from May 14 through May 20
Your program should print a message indicating where the date that was entered in Part 1 falls in this calendar:

1) If the date is before the semester starts, then the message should indicate that the semester hasn’t started.
2) If the date is a holiday (President’s Day), then the message should indicate the holiday.
3) If the date is during the Spring recess, then the message should say so.
4) If the message is during the exam period, then the message should say so.
5) If the message is past the exam period, then the message should say that the semester is over.
6) Otherwise, the message should say that classes are in session.