Homework Assignment 6 (20 Points)
CSE 100, Fall B 2013
School of Computing, Informatics and Decision Systems Engineering
Arizona State University

<u>Introduction:</u> This assignment helps you to reinforce the topics discussed in the class including
 a) Objects, object instantiation, constructors.

Important: This is an individual assignment. Please do not collaborate. Also, start early so that you have sufficient time to complete the assignment.

Grading policy: We will check

- a) The correctness of your program/solution
- b) Variable naming (self describing)
- c) Identification of proper data type
- d) Appropriate commenting and Indentation.

<u>Reading: Listen to all three lectures and read related book sections mentioned in the reading section of week 7</u>

Date Class:

Design and Implement a class called Date that has data members to store month (as a number), day, year, and name of the month. The class should have a three-parameter constructor that allows the data to be set at the time of new Data object instances are created. Default constructor that does not take any parameters should set the default values of 1 (month), 1 (day), 2001 (year). The class should have following three member functions to display date following formats

`showDate1()` should display the date in *1/1/2001* format

`showDate2()` should display the date in *January 1, 2001* format

`showDate3()` should display the date in *1 January 2001* format

Also the class should have method to set the date (setDate()). This method should take month, day, and year as parameters and set the object instance data member values. Then your Date class should work with the Assignment5.cpp given below and produces the following output.

1/1/2001
February 12, 2010
29 August 1986

```cpp
#include <iostream>
using namespace std;
#include "Date.h"
int main()
{

 Date d1;
 Date d2(2, 12, 2010);

 d1.showDate1();
 d2.showDate2();

 d1.setDate(8, 29, 1986);
 d1.showDate3();
 system("pause");
 return 0;
}
```

Submit your homework by following the instructions below:
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Submit your   Date.h, Date.cpp and Assignment5.cpp Files on-line to
Basket Homework6 in DropBox.

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NO LATE ASSIGNMENTS WILL BE ACCEPTED