INFSCI 0020
Homework 4
Due March 26

This assignment involves

- Using the code from the book and making some modifications and/or additions.
- Using a very useful Standard Library Class **Vector**

Each part will constitute 50 points.

1. Book's problem 9.3 (page 660)

   a. Here you do not actually have to rewrite class Point3, but you need to use this class for others.
   a. Your program should produce the same output as the original one.

   Book's example code has been provided for download. There are two zip files.

   b. File HW4-1a.zip contains code to test Circle4
   c. File HW4-1b.zip contains code to test Cylinder

   Note that in code for Cylinder, the class for Point3 and Circle4 classes from HW4-1a.zip are used.

   Submission: You will be submitting two zip files as above (as HW4-1a.zip and HW4-1b.zip) – the file names and number of files will be the same as in the provided zip files. You will only have changed the code of these files.

2. Book's problem 10.12 (page 717)

   a. For this assignment you will need to re-read pages 592-596 (re-reading Chapter 8 is highly recommended)

   Book's example code has been provided for download. There are two zip files.

   d. File HW4-2a.zip contains code for the example in Figure 10.23-10.33
   e. File HW4-2b.zip contains code to for example on Date and Employee from chapter 7.
   You will use the Date class provided in HW4-2b.zip file and modify files in HW4-2a.zip file.

   Submission: You will submit HW4-2a.zip file. This will include files related to Date class and files of HW4-2a.zip with needed modification.