CSE 114: Computer Science I

Homework #1

Spring 2017

Assignment Due: Monday, February 6, 2017 by 11:59pm

Directions:

- Solve the following problems to the best of your ability.
- At the top of every file you write for this assignment, include the following information in a comment, with each item on a separate line:
  - your first and last name as they appear in Blackboard
  - your Stony Brook ID #
  - the course number (CSE 114)
  - the assignment name and number (Homework #1)

⚠ Your files, Java classes, Java methods, etc. must be named and/or defined as proscribed below. Work that does not meet the program specifications (e.g., wrong file names or wrong method names) will not be graded.

⚠ Upload your `.java` files to Blackboard by the indicated due date and time. Late work will not be accepted for grading. Work is late if it is submitted after the due date and time.

⚠ Source code that does not compile will not be graded.

⚠ Do not upload `.class` files. Such files be deleted.

⚠ Do not combine your `.java` files into a zip file, rar file or other archive. Such files will be deleted. The grader will not unpack archive files to search for your source code.

⚠ Do not include any `package` declarations in your source code unless directed to do so. Points may be deducted if your code must be edited to remove unnecessary package declarations.

Assignment Objectives

The primary purpose of this assignment is familiarize yourself with the process of creating, compiling and running Java programs in Eclipse.

You will also learn how to use Blackboard to submit your homework for grading.

Part I: Weekly Class Schedule Printer (2 points)

Filename(s): `Schedule.java`

Write a Java program Schedule that prints your name, SBU ID number and weekly class schedule. It should have the general appearance of the example below with your name on the first line, followed by your SBU ID # on the

second line, followed by your weekly schedule. Adjust the time slots as necessary to correctly reflect your actual class schedule. If you are taking fewer than four courses, add fictional courses to bring the total up to four.

```
John Smith
1234567890
                      Monday     Tuesday     Wednesday    Thursday     Friday
8:30 am - 9:50 am     EGL 101                EGL 101
10:00 am - 11:20 am   CSE 114                CSE 114
11:30 am - 12:50 pm
1:00 pm - 2:20 pm                MAT 125                  MAT 125
2:30 pm - 3:23 pm     FRN 111                FRN 111                   FRN 111
4:00 pm - 5:20 pm
5:30 pm - 6:50 pm                PHY 127                  PHY 127
```

Part II: Computer History Lesson (2 points)

Filename(s): `ComputerScientist.java`

First, visit the web page of computer scientists located at `https://en.wikipedia.org/wiki/List_of_computer_scientists`. Then, pick a computer scientist whose last name starts with the same letter that your last name starts with. (If your name starts with X, pick a computer scientist whose name starts with X.) Write a program that prints the following:

- name of the computer scientist you picked
- date of birth for the computer scientist, if given
- date of death for the computer scientist, if given
- a short biography (3 lines or more) of the scientist

Your program's output should look similar to the following:

```
Wil van der Aalst
Born: January 29, 1966
Died: N/A
Biography:
Wil M.P. van der Aalst (born 29 January 1966) is a Dutch computer scientist, and
```

Part III: Marvel Comics (2 points)

Filename(s): `MySuperhero.java`

First, visit the web page of Marvel Comics characters located at `https://en.wikipedia.org/wiki/List_of_Marvel_Comics_characters`. Then, pick your Marvel Comics Superhero. Write a program that prints the following:

- name of the superhero you picked
- his super power

- where did the character first appeared and year
- why is he your superhero

Your program's output should look similar to the following:

```
Abomination
Super powers: strength, stamina, speed and durability, and the ability to regene
Appeared: Tales to Astonish #90 (April 1967)
Why: rival of the Hulk.
```

Part IV: MyProgrammingLab Exercises & Problems (6 points)

Complete all exercises for Chapter Appendix F (2 points) and chapter 1 (4 points) of `www.myprogramminglab.com`. You must register in MPL with exactly the same name that you have in Blackboard (first and last name). It is also preferable that you use your stony brook email when you register in MPL.

How to Submit Your Work for Grading

To submit your `.java` files for grading:

1. Login to `http://blackboard.stonybrook.edu` and locate the course account for CSE 114.
2. Click on "Homework Assignments" in the left-hand menu and find the link for this homework assignment.
3. Click on the link for this homework assignment.
4. Click the "Browse My Computer" button and locate the first `.java` file you wish to submit. **Do not submit `.class` files, zip files, rar files, or any other kinds of file except for `.java` files.**
5. Repeat step 4 for each `.java` file you wish to submit.
6. Click the "Submit" button to submit your work for grading.

Oops, I messed up and I need to resubmit a file!

When you submit files to Blackboard, the system assembles them into what's called an "attempt". If you need to resubmit your homework, it is essential that you resubmit ALL files again so that Blackboard assembles them as a single attempt. If you fail to do this, the files you uploaded earlier will not be included in the new "attempt" and might not be graded properly.

Total points: 6 points for the java files and 6 points for MPL (graded separately in Blackboard).