**LEBANESE AMERICAN UNIVERSITY**

**School of Arts and Sciences**

**Department of Computer Science and Mathematics**

Fall 2012

CSC 243

**Assignment 3**

Due on Monday October 22, 2012 (11:59pm)

Late assignment will be accepted only until Tuesday October 23 4 pm (-10%)

**ExerciseI:**

Solve any 2 exercises (not programming exercises) from the book.

**ExerciseII:**

Book-Programming Projects PP 5.1

**ExerciseIII:**

**Problem 1:**

Write a program that would generate a random date between 1-1-2010 and 1-1-2020(inclusive). To do so, your program should generate 3 random integers separately. The first integer D should range between 1 and 31, the second integer M should range between 1 and 12 and finally the third integer YYYY should range between2010 and 2020. Your program should display the generated date in the following format:

The random date is:

D-M-YYYY

Where D, M and YYYY are the random integers generated by the program.

**Problem 2:**

Write a program that would read an alphabet character (small letters) from the user then capitalize it and print it on the screen. For example, if the user input is 'j', the output should be "J". If the user input is "a", the output should be "A". (Hint: use switch case, not if)

**Deliverables:**

You must submit an electronic copy of this assignment (zip files containing only the .java files) to your lab instructor through blackboard. You have also to do a demo during the first lab on or after the due date. The lab instructors are M. Ghenwa Al Jurdi (ghenwa.aljurdi@lau.edu.lb) and M. Hiba Sanadiki ([hiba.sanadiki@lau.edu](mailto:hiba.sanadiki@lau.edu)).

#### Policy on Cheating and Plagiarism

Plagiarism on assignments and project work is a serious offense. If plagiarism is detected, a student will be subject to penalty, which ranges from receiving a zero on the assignment concerned to an “F” in the course.