# CSC 1301 –SPRING 2020
# HOMEWORK 07 -- MUTLI-PARTS
## Due 04/22/2020 @ 11:59 PM

### PROGRAM #01

Write a program named ConvertDate that converts a date entered by the user into another form. The user's input will have the form

*month day, year*

The month will be one of the words January, February, ... . The letters in the month may be lowercase, uppercase, or any mixture of the two. The day is a one- or two-digit number. The year is any number of digits. There may be any number of spaces (1) before the month, (2) between the month and the day, (3) between the day and the year, and (4) after the year. You may assume that there is at least one space between the month and day and between the day and year. You may also assume that there is a comma after the day. The converted date must have the form

*day month year*

with one space between the day and month and between the month and year. The first letter of the month must be uppercase, and the remaining letters must be lowercase. The following example shows what the user will see on the screen:

```
Enter date to be converted:      apRiL    28,      2003
Converted date: 28 April 2003
```

*Hint:* Use the indexOf and lastIndexOf methods to locate the month, day, and year within the string entered by the user, and then use the substring method to extract them.

## PROGRAM #02

Write a program in which will use some of the built-in METHODS as it relates to the use of Strings.

1) The program will ask the user the following prompts:

Please enter your first name and their last name, separated by a space. This program will then read-in the user's response using Scanner. You must separate the string input entered by the user into two strings via substrings. Substring one will store the first name and Substring two will store the last name respectively. ***hint this can be accomplish using the indexOf() to find the position of the space. Your program must display/output the number of characters in each name, as well as the user's initials that was entered. You must check and trim all extra white spaces before and after the string entered by the user. Incorporate and loop to have this program ask this user if they would like to execute the program again by prompting and requesting a Y for Yes and a N for No. This prompt should ignore upper or lower case entries. The initials are the first letter of the first name together with the first letter of the last name.

## Expected OUTPUT "A sample run of the program should look something like this":

Please enter your first name and last name, separated by a space.

Louis Henry


Hello their Louis I have your first name as Louis, which has 5 characters

Hello again Louis I have your last name as Henry, which has 5 characters

Did you know that your initials are LH

Do you wish to continue (Y)Yes or (N)No ?