Lab Exercise 3

CSDC102: Intermediate Programming

Before your codes...

```
//******************************************************************
// Filename :
// Date :
// Subject :
// Second Semester, SY 2019 - 2020
// Activity : Lab 1A
// Problem Title :
// Input :
// Output :
//
// Honor Code : *insert honor code here*
//
// Complete Name :
// ID Number :
// Year-Course : 1-BSCS
// DCS, College of Computer Studies
// Ateneo de Naga University
//******************************************************************
```

```
Honor Code      : This is my own program. I have not received any
                  unauthorized help in completing this work. I have not
                  copied from my classmate, friend, nor any unauthorized
                  resource. I am well aware of the policies stipulated
                  in the handbook regarding academic dishonesty.
                  If proven guilty, I won't be credited any points for
                  this exercise.
```

Lab 3A: Yassi's How Many

Program Description:
- Yassi wants you to be able to count the number of lines of text from some file she gave you.

Lab 3A: Yassi's How Many

- Specifications:
    - Filename: **Lab3A_SURNAME.cpp**
    - Input file: **yassi.in**
    - Output: standard output

Lab 3A: Yassi's How Many

Sample Input

There's no one in town I know
You gave us some place to go.
I never said thank you for that.
I thought I might get one more chance.
What would you think of me now,
so lucky, so strong, so proud?

Sample Output

6

Lab 3B: What is it?

Program Description:
- Write a program that will read series of characters from a file and display if the character is either a letter, number, whitespace, or a printable character.

Lab 3B: What is it?

Program Description:

- For each character read, check if it is a letter, number, whitespace, or a printable character. Upon evaluation, return one of the following per line:
    - if a letter, return ALPHA
    - if a number, return DIGIT
    - if a whitespace, return WHITESPACE
    - if a printable character, return SYMBOL

Lab 3B: What is it?

- Specifications:
  - Filename: **Lab3B_SURNAME.cpp**
  - Input file: **identify.in**
  - Output: standard output

Lab 3B: What is it?

Sample Input
s33 you?

Sample Output
ALPHA
DIGIT
DIGIT
WHITESPACE
ALPHA
ALPHA
ALPHA
SYMBOL

Lab3C: N to *

Program Description:
- Display input strings to the string will all occurrences of 'N' and 'n' replaced with '*'.

- Program must have a function that receives an entire line of input and that displays the required output.

Lab 3C: N to *

- Specifications:
  - Filename: **Lab3C_SURNAME.cpp**
  - Input file: **locator.in**
  - Output: standard output

Lab 3C: N to *

Sample Input

something strange has come over me
And you said you had my back
Now the map that leads to you

Sample Output

somethi*g stra*ge has come over me
A*d you said you had my back
*ow the map that leads to you