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COMPUTER ENGINEERING DEPARTMENT

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SUPPLEMENTARY EXERCISE #2
DATA STRUCTURE AND ALGORITHM ANALYSIS LAB.
2nd Semester S.Y. 2018 – 2019

NAME: _____ **SCHEDULE:** _____

COURSE & YEAR: _____ **DATE:** _____

General Direction: Create a C++ program that will satisfy the required output.

1. Write a simple program to encrypt a text string using the look-up table or simple algorithm; for example, the text string "Hello World" could be encrypted into the string "ifm mp xpqme" simple by translating each character into its next character in the alphabet- a becomes b, x becomes y and so on.

2. Write a program that will read a line of text and output the number of occurrences each letter. Assume that the input characters must consist entirely of letters, whitespaces, commas, and periods.