

CS 3335 (The C Programming Language) [Fall 2019]

Coding Assignment 2

Due date: 11:00 p.m., Tuesday, September 10, 2019

Task:

Write a C-program to print a table (shown below) showing how many times a digit appears in a number. **The input number will be entered by the user.** For example, if the user enters 378677189, then the output should be as follows:

Digit:	0	1	2	3	4	5	6	7	8	9
Frequency:	0	1	0	1	0	0	1	3	2	1

Remember to allow the users to enter their own choice of input number.

*[Hint: arrays could be useful. Also, a regular **int** data type may not be sufficient to hold such a big integer. Hence, think of using **long** data type.]*

Your program should start with asking the user to enter a number. Do not hard-code the input number.

Submission instruction: (must be followed if needs to be graded)

Name the files as **a2lastname.c** where *lastname* is your last name. At the top, write your name, course (CS3335), and semester-year (Fall 2019) as C-comments (use `/* ... */`). Submit the file through BlazeVIEW submission box associated to the assignment.