

**National Tsing Hua University
Electrical Engineering Dept.,
Fall Semester, 2019**

EE-2310 計算機程式設計 (Introduction to Programming)

Homework #8 (3 points)

**Due on Jan. 16, 2020 @ the Lab Session
Late Homeworks will NOT be accepted !**

1. Write a C++ program to solve the following multiple-input Greatest Common Divisor problem.
(Problem)
 - (1) Specify five integer numbers {102, 340, 153, 187, 425} in an integer array, say A[5].
 - (2) Develop a **recursive function** to find the GCD (Great Common Divisor) of two given integer numbers.
 - (3) Use the above recursive function iteratively to find the GCD of the above five integer numbers in A[5].

(Results to be displayed on the screen):

Hello world!

The Final GCD of {102, 340, 153, 187, 425} is: <u>display your result here>