

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

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

**Homework #1 (3 points)**

**Due on Oct. 3, 2019 @ the Lab Session  
Late Homeworks will NOT be accepted !**

1. Write a C++ program to solve the following temperature conversion problem ( $^{\circ}\text{C}$  to  $^{\circ}\text{F}$ ). Demonstrate the result to a TA.

(Problem):

- (1) Ask the user to enter a temperature degree in Celsius ( $^{\circ}\text{C}$ ).
- (2) Convert the given temperature in Celsius into a degree in Fahrenheit ( $^{\circ}\text{F}$ ).
- (3) Display the following test result of your program by entering 38 as the degree in Celsius. Note that you have to show your result in decimal using only 1 significant digit in the fractional part.

(Test results to be displayed on the screen):

Please enter a temperature degree in Celsius: 38

38.0  $^{\circ}\text{C}$  is equivalent to 100.4  $^{\circ}\text{F}$ .