

# In-class Assignment 03

## Use of Loops and Arrays

- (a) Write a program which create a conversion table from Centigrade to Fahrenheit and Kelvin, from 0C to 21C inclusive. Use the following formula for conversion; note that your table should be in the form of a matrix which first column is Centigrade.

$$F = 32 + 1.8C \quad \text{and} \quad K = C + 273.15$$

- (b) Modify this program so that it asks the user to enter the range of the table ( start temp. and stop temp. , check if the range is between -10 to 200 C ) and the increment C degrees. Such as in steps of 5C increments and at the end print out the table on screen.

Note: print the size of your table on the screen as well.