

**Computer Programming** (EE1005)

Homework #1

(Due: Mar. 18)

9.10: Write a program that converts integer Fahrenheit temperatures from 0 to 212 degrees to floating-point Celsius temperatures with 3 digits of precision. Use the formula

$$\text{Celsius} = 5.0 / 9.0 * (\text{Fahrenheit} - 32);$$

to perform the calculation. The output should be printed in two right-justified columns of 10 characters each, and the Celsius temperatures should be preceded by a sign for both positive and negative values.

26.6: Write a program to test the inputting of integer values in decimal, octal, and hexadecimal formats. Output each integer read by the program in all three formats, Test the program with the following input data: 10, 010, 0x10.