

## Lab # 3

October 06, 2016

**Task 1:** You're going to write a C program for temperature conversion between degrees Celsius (°C) and degrees Fahrenheit (°F). The conversion formulas could be easily found online.

The program should ask the user to enter a temperature value. Then, the program inquires the type of conversion (e.g., the character 'c' means conversion from °F to °C). Accordingly, the program should perform the temperature conversion. Example interactions are shown below.

(5 marks)

```
Please enter a temperature value: 68
Please enter your choice ('c' for Celsius & 'f' for Fahrenheit): c

The temperature in Celsius is: 20
```

```
Please enter a temperature value: 20
Please enter your choice ('c' for Celsius & 'f' for Fahrenheit): f

The temperature in Fahrenheit is: 68
```

**Task 2:** Write a program that inputs three different integers from the keyboard, then prints the sum, the average, the product, the smallest and the largest of these numbers. Use only the single-selection form of the `if` statement you learned in the class. The screen dialogue should appear as follows:

(5 marks)

```
Enter three different integers: 13 27 14

Sum is: 54
Average is: 18
Product is: 4914
Smallest is: 13
Largest is: 27
```

## Grading and LMS Submission

- Make sure that the lab engineer has graded your programs until 5 pm.
- You've uploaded the C source files in Zip format over LMS until 5:30 pm.