

Lab 2 - In Lab Assignment

Due end of the lab session

Acknowledge your collaborators or source of solutions, if any. **Submission by the end of the LAB is required.** Please type your answers, handwritten submission will not be accepted. Do all of the following. A subset of your solutions will be graded.

- 1) What will the following program will print?

```
#include <stdio.h>

int main(void) {
    int x =5;
    int y =7;
    int z =50;

    if (!(x < y && z > (z/x -y) )){
        printf("Case 1\n");
    } else {
        printf("Case 2\n");
    }

    return 0;
}
```

- 2) Write a program that asks the user to enter a temperature in Fahrenheit and convert the temperature to Kelvin. You need to use functions for the calculation using the formula given below. Print the results using a meaningful statement (see example).

Formula:

$$K = (F - 32) \times 5/9 + 273.5$$

K represents the output in kelvin

F represents input in Farenheit

Sample input and output:

Input: Please enter the temperature in Fahrenheit: 100

Output: The temperature in Kelvin is 311.28.