**FOP 1 – Lab 8 Worksheet**

1. Before coming to lab you must implement all exercises and examples from the lecture notes.
2. Write a program that defines 3 functions: the first function returns the maximum value among 2 integer values, the second one prints 1 row of 25 asterisks and then moves the cursor to the next line, and the third one takes in a String representing a name and prints “Hello name, nice to meet you”. Then call the 3 functions at least twice each.
3. Define a function that takes 2 positive integers (assume that the first is always >= than the second) and returns how many numbers between 1 and the first one are divisible by the second one. Call this function several times.
4. Define a function that takes in two integers – m and n - and displays an m by n empty rectangle of #’. Call this function several times with various arguments.
5. Write a programthat allows a user to input repeatedly a series of integer values and then displays their total and their product; for each of these implement separate functions.
6. Write a program that implements a metric-to-imperial and viceversa calculator for weight and distance (for simplicity reasons you can consider only pounds, kgs, miles and kms). You need the formulas:

weight\_in\_kg = 2.2 \* weight\_in\_pounds; weight\_in\_pounds= weight\_in\_kg/2.2

dist\_in\_km = dist\_in\_miles/0.621; dist\_in\_miles = dist\_in\_km \* 0.621