

Programming – DT228/1

Lab 14 – Tuesday, February 5th, 2013

Note: You are expected to finish all programs in your own time if you do not get these done during the lab session. This is your own responsibility.

Functions (part 1)

Remember: Use Symbollic names in your programs. Do not hard-code.

Write separate programs to:

1. Write a program that uses a function to print 10 stars (*) on one line. Ensure you declare your function prototype and include comments.
2. Write a program that uses a function with 2 parameters (a character and an integer, e.g. `function_name(char, int)`). Your function must display the character parameter a certain number of times on one line where this number is the integer parameter (e.g. `function_name(*,5)` will display `*****`).
3. Write a program that uses a function to find the highest and lowest number of 3 values. These 3 values must be passed as parameters to the function (i.e. `function_name(int, int, int)`). Your function should find these values and display messages stating: The Highest value is : ... The Lowest value is: ...
4. Write a program that uses 2 functions called `sum()` and `average()`. Your program must read in 3 values inside the `main()`. Your `main()` should pass these 3 values as parameters to the function `sum()`. This function should calculate the sum of the 3 numbers. Your function `sum()` should then pass the sum of the 3 numbers as a parameter to the function `average()`. The function `average()` should then calculate the average of the 3 numbers and display this on the screen.

Note: Be careful where each function is called and how you pass your parameters between functions.