Week 02 - Lab 2

Introduction to C

- Create a program that declares integer, float and double variables
- Find out how to assign maximum values for each variable (hint: use INT_MAX for integer, etc.)
- Print sizes and values of each variable
- Discuss the results
- Note: use tutorial as your primary reference

 Write a program that prompts the user for a string, and prints its reverse

• Hints:

- a string in C is an array of chars (more about arrays next week)
- use strlen() function to get the length of a string
- you can use printf(), puts() or even putchar() functions
 to print

Write a function that outputs a right-side-up triangle of height n and width 2n-1. Your program must accept n as a command line parameter; the output for n = 6 would be:

• Hint: use sscanf() to convert string to int

- Write a program that asks user to input two integers and swaps them using a separate function
- Hint: you will need to pass parameters by reference

Exercise 5 (optional)

 Add several functions to your ex3.c file, so user could print different figures on his choice; examples are:

k	<	*	*****
k	*	**	****
k	<**	***	****
k	<***	***	****
k	<***	***	****
k	<****	**	****
k	<****	*	****