Lab 2 (CS): Introduction to Operating Systems

Shokhista Ergasheva, Muwaffaq Imam, Artem Kruglov, Nikita Lozhnikov, Giancarlo Succi, Xavier Vasquez Herman Tarasau, Firas Jolha

> Innopolis University Course of Operating Systems

> > Week 02 – Lab



- 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

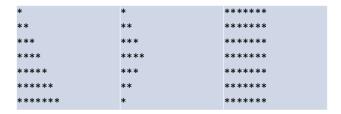


- Write a program that asks user to input two integers and swaps them using a separate function
- Hint: you will need to pass parameters by reference



Exercise 5 (optional)

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



End of lab 2 (OS)