



Introduction to C++ Recap Lab



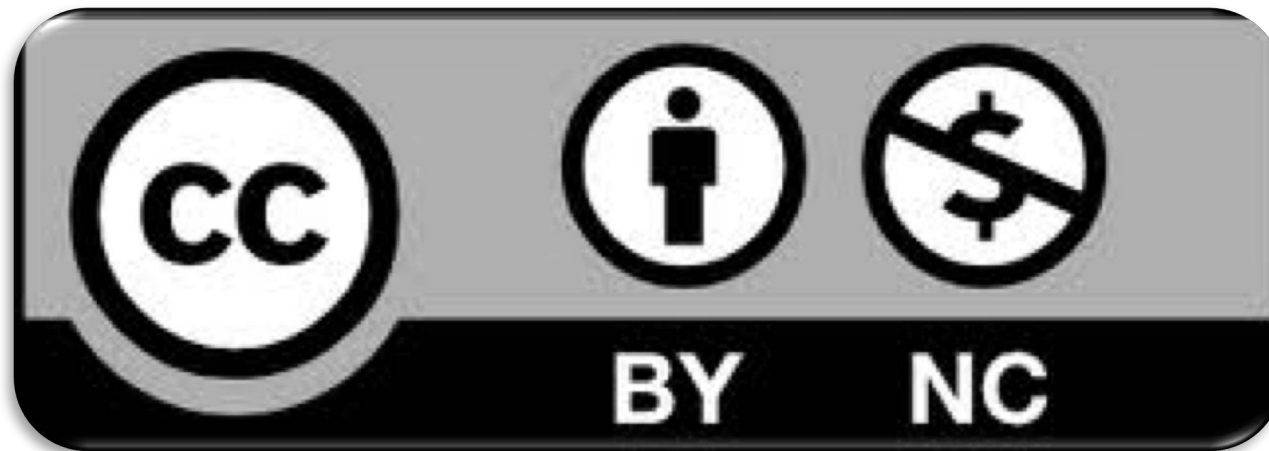
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Goal

- **This lecture let you recap all C concepts and verifies your current C skills.**

Prerequisites

- **Basic knowledge of C programming language**

Homework

– **Lab 0**

Outline

- **Lab 0 - Introduction**
- **Lab 0 - Exercise Hints**

Lab 0 - Introduction

- **No matter what they taught you in Informatica course, we do not accept, like ever:**
 - 1. The usage of keywords `continue` and `goto` in any place of the code.**
 - 2. The usage of the keyword `break` in any place but the `switch(...)` construct.**
 - . Thus, do not exit any loop or `if ... else` with a `break`.**
 - 3. The usage of the following codes, unless taught to:**
 - 1. `for(;;);`**
 - 2. `while(1)`**

Lab 0 – Exercise Hints

- **Ex1 – Exponential**
 - Remember all limitations of the C math functions
- **Ex2 – String search**
 - Do you recall easily how to define “strings” in C?
 - Are you able to write a proper loop without resorting to banned keywords?
 - Can you write a loop avoiding the use of for ... every time?
- **Ex4 & Ex5 – Matrixes**
 - The For loop... do you master it?
 - And files?

Lab 0 – Exercise Hints

- **Ex6 – Your last exam**
 - **A short version of an exam. Are you able of writing a first working draft of the solution?**
 - . **Then... can you shorten it?**
- **Ex7 – Algorithms**
 - **Before moving into complex algorithms, can you be challenged with something (only apparently) complex?**
- **Ex7 – Functions**
 - **Arguments? Return values?**
 - **If you cannot program proper functions...**

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