

Tags: #cec32x, #lab, cec32x\_ws\_42\_WSo9\_flow\_control\_in\_assembly

## Workshop 8a: Program flow control in assembly

### Introduction

We have learned how to implement various flow control constructs of C, including the `if else` decision, the `for`, `while`, and `do while` loops. We have also learned how to implement them in assembly. In this workshop, we will practice implementing C flow control constructs into assembly and implement them using assembly functions. Note that you should use parameters, as defined in the function profiles.

### Tasks for the workshop

Download and unzip the file to your workspace. You should be able to build the target of the project.

Program all of the nine assembly functions for 10 points each.

### Submission of the work

You can do the assignment in teams of two members, but you have to submit your own work. There are 10 points for providing a neat pdf file submission containing the following:

- A screenshot for each assembly function's code.
- A screenshot for the successful running of the code of the main function using printouts.