

Laboratory 9 – Intermediate Representation

The objective of this laboratory is to get familiar with the MAPL assembly language, used as an intermediate representation for our C-- compiler.

Description of MAPL

Read the MAPL.pdf document provided.

While reading the document, modify example.txt to check the behavior of MAPL instructions. Run example.txt with the MAPL VM to make sure you understand the whole instruction set.

Go ahead

- Analyze low-level-mapl-1.txt and high-level-1.txt. The former is the MAPL code generated for the latter. Eventually, your compiler will translate code the same way.
- Do the same with low-level-mapl-2.txt and high-level-2.txt.
- Make sure you understand the MAPL language by modifying and running the assembly code of the two examples above (low-level-mapl-1.txt and low-level-mapl-2.txt).