Unit 11. Final Code Generation

Final code generation is the last phase of our compiler model. It takes as input an intermediate representation of the source program (optimized or not) and produces as output an equivalent target program. The output must be correct and of high quality.

The main objectives of Unit 11 are:

- Describe the role of final code generation in the architecture of a language processor.
- Present the concepts of target program, target machine, and instruction cost.
- Describe the main transformations on basic blocks.
- Present how to carry out register allocation.