

Unit 10. Code Optimization

Ideally, compilers should produce target code that is good as can be written by hand, but rarely that is the case. The objective of code optimization is to transform a piece of code to make it more efficient without changing its output. Optimization should preserve the meaning of programs.

The main objectives of Unit 10 are:

- Describe the role of code optimization in the architecture of a language processor.
- Present the concept of basic block.
- Learn the most relevant local and global optimizations.