Unit 9. Intermediate Code Generation

The use of intermediate code generation as the first phase of the back-end in a language processor allows the analysis phase to be machine independent (language-machine independence), makes optimization easier (not machine-dependent), the same analysis and/or optimizer can be used on the same intermediate code, and facilitates the division in phases of a compiler project.

The main objectives of Unit 9 are:

- Describe the role of intermediate code generation in the architecture of a language processor.
- Describe the main types of intermediate languages.
- Know the main graphical intermediate representations.
- Know the main linear intermediate representations.