

## UNIT 4. Syntax Analysis

The syntax analyzer or parser obtains a string of tokens from the scanner, verifies that the string can be generated by the grammar for the source language, report syntax errors, and recover from common errors so that it can continue processing the remaining tokens.

The main objectives of Unit 4 are:

- Study the role of the parser in the architecture of a language processor.
- Describe the advantages of using grammars to develop a syntax analyzer.
- Know the most relevant techniques for syntax analysis (Top-down parsing and Bottom-up parsing).
- Describe the pros and cons of these techniques.