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Question

Explain loop and switch scanner

Answer

There are two primary methods for implementing a scanner. The first is a program that is hard-coded to perform the scanning tasks. The second uses regular expression and finite automata theory to model the scanning process.

A “Loop and Switch” implementation consists of main loop that reads characters one by one from the input file and uses a switch statement to process the character(s) just read. The output is a list of tokens and lexemes from the source program.