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Reg#: Fa21-bcs-026

Subject: CC Lab Terminal

Question 2: Explain 2 core functions of mini compiler?

**Lexical Analysis (Scanner):**

Breaks down source code into tokens (the smallest units, such as keywords, operators, and identifiers).

Removes whitespace and comments.

Produces a token stream as output.

**Syntax Analysis (Parser):**

Takes the token stream from the lexical analyzer.

Checks whether the sequence of tokens follows the language's grammar rules.

Builds a syntax tree or an abstract syntax tree (AST) as output.