Lexer:

Niraj and Abhinav – Making the Lexer

Input: A stream of characters i.e. string

Output: The next token(number/identifier/keyword/...)

Parser:

B Teja and Keshav – Making the Parser and generating AST

Input: A list of tokens one at a time, with a lookahead of 1 token.

Output: The AST(Abstract Syntax Tree)

Semantic analyser:

Arvind Srinivasan – Interpreting the AST

Input: AST

Output: Execution