

SEMANTIC ANALYZER

Q2:Functionalities of Project

ANSWER:

The two main functionalities of the project are:

Lexical Analysis and Tokenization:

This involves breaking down the source code into individual tokens (words) and classifying them into different categories such as identifiers, numbers, variables, and operators.

Semantic Analysis and Error Checking:

This involves checking the code for errors that make it nonsensical, such as using undeclared variables or performing operations on incompatible types.

