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**Lab Terminal Q:5**

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**Q5: Explain the Function Which Performs Semantic Analysis**

* **semanticAnalyzer()**:
  + Validates types and variable declarations.
  + Ensures scope rules are followed.
  + Example:
  + if (!isDeclared(variable)) {
  + error("Variable not declared");
  + }
  + Checks type compatibility in expressions like int = float.

