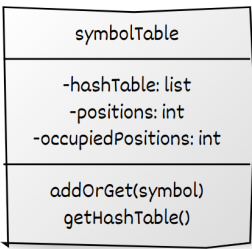
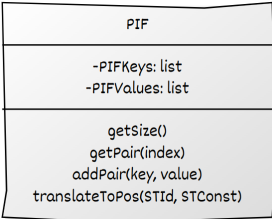
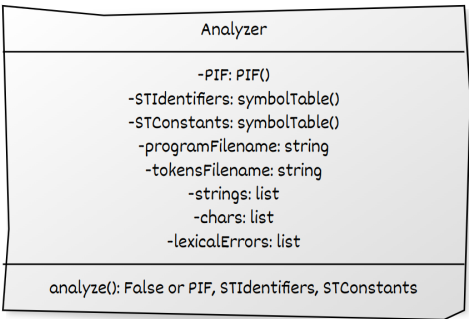


<https://github.com/eduard240300/FLCD>

Class	symbolTable	PIF	Analyzer
Data Structure Used	Hash Table	Two lists: one with the keys and one with the values	-
Diagram	 <pre> classDiagram class symbolTable { -hashTable: list -positions: int -occupiedPositions: int +addOrGet(symbol) +getHashTable() } </pre>	 <pre> classDiagram class PIF { -PIFKeys: list -PIFValues: list +getSize() +getPair(index) +addPair(key, value) +translateToPos(STId, STConst) } </pre>	 <pre> classDiagram class Analyzer { -PIF: PIF() -STIdentifiers: symbolTable() -STConstants: symbolTable() -programFilename: string -tokensFilename: string -strings: list -chars: list -lexicalErrors: list +analyze(): False or PIF, STIdentifiers, STConstants } </pre>

Regexes:

- Identifier: `([a-z][A-Z])([a-z][A-Z][0-9])*`
- Integer: `([+|-]?[1-9][0-9]*)`
- Strings and chars are separated beforehand