

Git link: https://github.com/adabirtocian/Scanner_FLCD

Data structure:

Hash table with separate chaining

void add(symbol)

- Precondition: symbol should be string
- Postcondition: symbol is added if not already in the symbol table
- Checks if the symbol was already added and adds it if not

int find(symbol)

- Precondition: symbol should be string
- Postcondition: -1 if the symbol is not in the symbol table; index where it is found
- Return the exact position inside the symbol table
- For each chain there are maximum 10 symbols that can be added

hash function: sum of ascii codes modulo hash table size