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Laboratory 2 - FLCD

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Github: <https://github.com/ruxipaula/flcd>

Used language: Java

- **Symbol Table**
  - *Implemented using a hash table (  $O(1)$  )*
  - *Hash table is using a list of lists and for keeping the values*
  - *Values are uniquely identified by their hashCode and position in the corresponding list*
  - *The hash function is the sum of the ascii codes of the token(string) % 256(size)*

**Public methods of the Symbol Table:**

- *add(String token) - adds the token into st*
- *search(String token) - searches for a given token in st, return a boolean value*
- *position(String token) – returns a tuple corresponding to the position of the token*

**Symbol Table structure**

