

<https://github.com/Mocanu-Isabela/FLCD/tree/main/Lab3>

The Symbol Table is represented using a hashmap.

There are three functions:

hash_function – hashes a value to determine its position in the ST using the built-in python function hash and the capacity of the hashmap ($\text{hash}(\text{identifier}) \% \text{capacity}$)

add – adds the identifier to the symbol table (The collision is solved by using lists to keep the identifiers)

get_size – returns the size of the ST

get_position – returns the position of an identifier using the hash_function

printer – returns a string containing all the informations in the ST

PIF is represented using a list that contains the values and their positions in the ST (separated in lists).