

Lab_2_25_oct_2023_hw

[GitHub here](#) -> you still have to accept your invite

SymbolTable

Attributes:

- length: length of hashtable
- list of lists: hash value is the index, list in that index is made of variable names
 - ex:
0 a, b, c,
1 d, e
and so on
- hash value:
 - based on $\text{ascii sum} \% \text{length of the hashtable}$

Functions:

- constructors: without attributes or with length, the list will always be initialized with an empty one
- insert: -> returns 0 if the element is found
-> returns position if the element is not found
- lookup: -> returns -1 if element is not found
-> returns position if the element is not found
- hash_function: -> returns hash value for the specific variable name
- toString: -> returns string symbol table to be printed