https://github.com/cs-ubbcluj-ro/lab-work-computer-science-2024-NikAlien/tree/main/1-Mini-Language-And-Scanner

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For this symbol table I’ve implemented a hash table and it’s operations.

1. hashFunction (String key)

Works by adding the ascii codes of the chars and getting mod size of array

* 1. input: string
  2. output: index for position in hash table

1. insertItem(String key)

Gets the index through the hash function, and adds the element to the end of the array on that index

* 1. input: string
  2. output: pair of coordinates (where the item was inserted)

1. searchItem(String key)

Gets the index through the hash function, and searches the element in the array on that index

* 1. input: string
  2. output: pair of coordinates (where the item is) or null if not found

1. deletItem(String key)

Deletes element from hash table

* 1. input: string
  2. output: -