

Documentation
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Link to github:

<https://github.com/andreigabor21/Formal-Languages-and-Compiler-Design>

Statement: Implement the Symbol Table (ST) as the specified data structure, with the corresponding operations

I have chosen to represent the Symbol Table using a custom Hash Table.

Technically, the programming language is Python. The hash function is the sum of all the ASCII codes of the given key divided by the length of the table.

Using this representation, the conflicts are resolved such that when two elements having the same hash, they will both be added to the same list.

Operations:

insert(key) – Adds the given key into the symbol table

delete(key) – Deletes the given key

contains(key) – Checks if the key is inside