

Github: <https://github.com/Strilechi-Vlad/FLCD-L1>

```
class SymbolTable:
    def __init__(self, size=100):
        """
        Initialize a symbol table with an optional specified size.

        :param size: The size of the hash table. Default is 100.
        """

    def hash_function(self, key):
        """
        A simple hash function that returns the index for a given key.

        :param key: The key to be hashed.
        :return: The hash index for the key.
        """

    def insert(self, value):
        """
        Insert a value into the symbol table using its hash as the key.

        :param value: The value to be inserted.
        """

    def lookup(self, value):
        """
        Look up a value in the symbol table and return the key if found

        :param value: The value to be looked up.
        :return: The key for the value if found, None otherwise.
        """

    def delete(self, value):
        """
        Delete a value from the symbol table.

        :param value: The value to be deleted.
        """

    def display(self):
        """
        Display the contents of the symbol table.
        """

    def __str__(self):
        """
        Return a string representation of the symbol table.

        :return: A string representation of the symbol table.
        """
```