**DOCUMENTATION**

Source code: <https://github.com/ccerbusca/FLCD-sem5/blob/main/Lab2/Lab2.py>

# in: key - dictionary key

# out: the function returns a hash code for the specified key argument

#precondition: key is a string

#postcondition: hash code is calculated

hash\_code(key)

# in: key - dictionary key

# out: function adds the key to the table if it doesnt exist and returns position of the key

#precondition: key is a string

#postcondition: key was added to the dictionary and the position was returned (in case it was missing)

add(key)

# in: key - dictionary key

# out: value corresponding to the key and None if key not is not found

#precondition: key is a string

#postcondition: position of the key is returned (or None if key does not exist)

\_\_getitem\_\_(key) ( python overload for [ ] )

# in: key - dictionary key

# out: deletes the key from the table and raises Exception if key does not exist

#precondition: key is a string that exists

#postcondition: key was removed from dictionary

\_\_delitem\_\_(key) (python overload for deleting elements)

