

## Symbol Table

Method	Preconditions	Postconditions	Observations
add	Key and Value must be objects	Value is added to the table	Collision resolution is chaining
Get	Key must be object	Returns Value according to hash of Key	If no index could be found for Key in hash, a KeyError is raised. Also, if the value is not within table, a KeyError is raised again

HashTable uses chaining resolution for collision (list of lists). Hash function is based on hash function from Python (which is  $\text{hash}(\text{key})\% \text{length}$ , basically).

HashTable class is wrapped inside Symbol Table class and calls the methods.

