

INTRODUCTION TO HASH TABLES

Key Terms

- » **Hash Table:** A data structure that uses a key to sort an index into a table.
- » **Hash Function:** Takes in a key, such as a string or integer, for a data record (often a key-value pair), scrambles it, and outputs an index to be used in a hash table.
- » **Collisions:** When a hash function generates the same index for two different values.
- » **Linear Probing:** A resolution for collisions that uses probing (searching for other indices in the table).
- » **Chaining:** A resolution for collisions that creates "chains" of other data structures at each index.