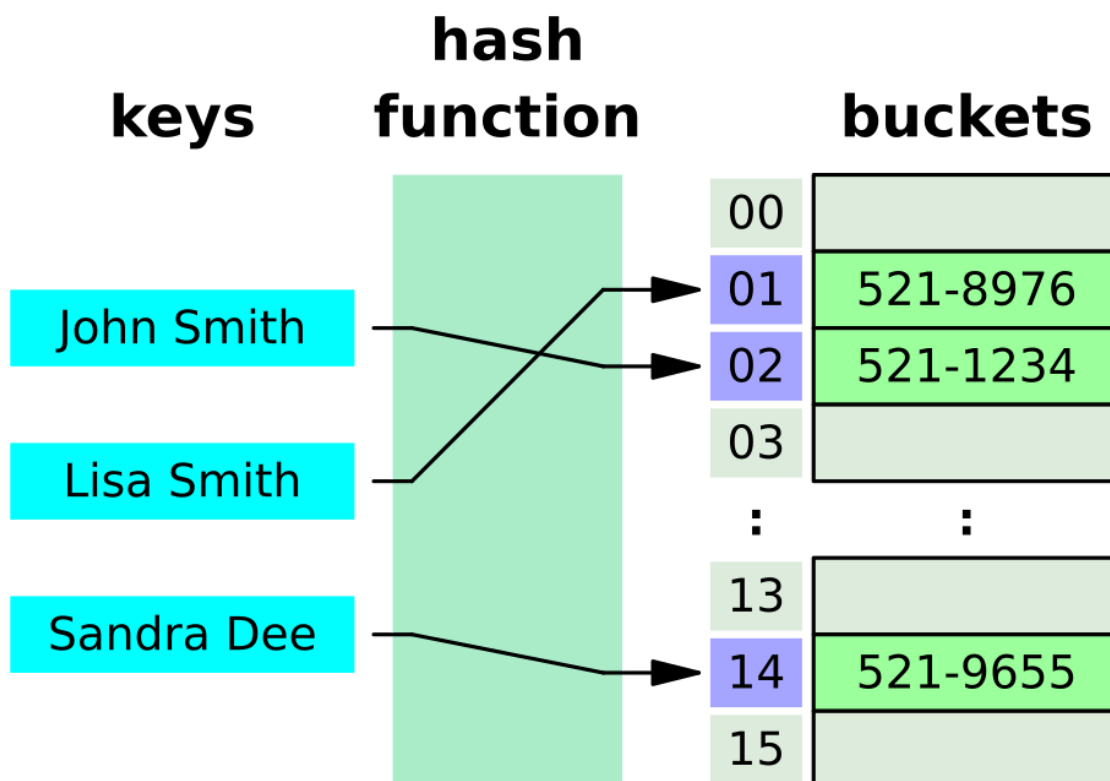


Hash Table

Hash tables (sometimes called hash maps) store key value pairs. They do so in a memory efficient way by using a 'hashing function' that translates keys into numerical indices located within a fixed block of memory (think about the contiguous blocks of memory used in arrays). Hash tables only increase their size in memory when necessary, and reduce their size in memory when possible.



A hash table would be great for....

A contact list you might add to or remove from over time.

<https://youtu.be/3nQvqqAuWJo?si=S96B9uZKKAKelWI1>