Data Structures Hash Fable

- A hash table is used to index large amount of data
- Duick key-value look up. O(1) on average
 La Faster than brute-force linear search
 - 1 Let's create an o array of size 5.

 We've going to add ada.

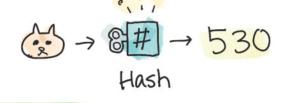
 Key = "Tabby"

 Value = "pizza"

 Some data

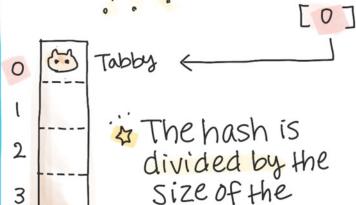
 Let's say, favorite
 food!

 Empty
 box
- 2 Calculate the hash value by using the Key, "Tabby", e.g. ASCII code, MD5, SHA1



3 Use modulo to pick a position in the array.



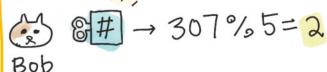


4

orray.
The <u>remainder</u> is the position!

Let's add move data.









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