

★ Collision!

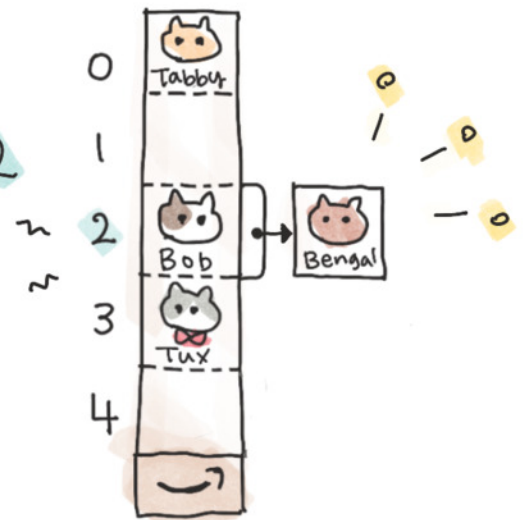
Hash Table

@girlie-mac

Now we want to add more data.
Let's add "Bengal".

🐱 "Bengal" → $617\%5 = 2$

But [2] slot has been taken
by "Bob" already! = collision!
so let's chain Bengal next
to Bob! = chaining

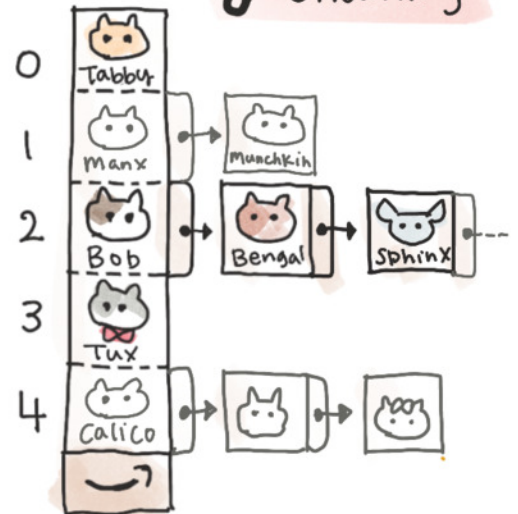


key: "Bengal"
Value: "Dosa"

"Sphinx"
"Fish +
Chips"

Keep
adding
data

chaining



🔍 Searching for data

★ Let's look up the value for "Bob"

① Get the hash → 307

② Get the index → $307\%5 = 2$

③ Look up Array [2] → found!

★ Let's look up "munchkin"

① Hash → 861

② Index → $861\%5 = 1$

③ Array [1] → "Manx"

④ Operate a linear-search to find "munchkin"
Average $O(n)$

