- HASHING
- Search Insert O(1)
 Delete

Key -> value

Phone Number Example -> If key is present then, overwrite the Value

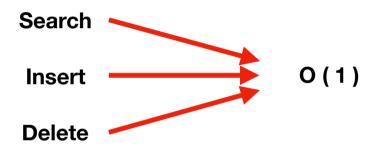
- HASHING NOT useful
- 1) Finding closet Value
 - 2) Sorted Data

Hello world

- HASHING Application
- 1) Dictionaries
 - 2) cryptography
 - 3) caches
 - 4) Symbol Table in compilers/ Interpretors
 - 5) Routers

Hello would

- Direct Access Table
- Imagine a situation where you have 1000 keys with values from 0 to 999 how would you implement in O (1) Time complexity



- Direct Access Table
- Imagine a situation where you have 1000 keys with values from 0 to 999 how would you implement in O (1) Time complexity

Example Situation

insert(10)

insert(20)

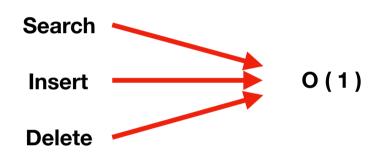
insert(119)

search(10)

search(20)

delete(199)

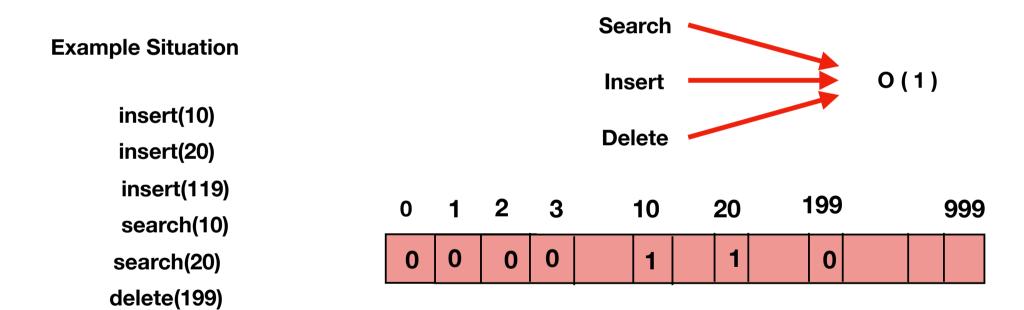
search(199)



Direct Access Table

search(199)

Imagine a situation where you have 1000 keys with values from 0 to 999 how would you implement in O (1) Time complexity



Direct Access Table NOT works fine:-

Phone numbers are key

Floating , point numbers

Keys are string

Because, it can't Handle Large Values