redis

- [https://medium.com/@stockholmux/from-sql-to-redis-chapter-1-145c82e4baa0|from sql to redis]

string

type **string**: store a value [integer, string, …] belong a key [string]

```
SET connections 10
INCR connections => 11
INCR connections => 12
DEL connections
INCR connections => 1
```

expiring key

```
SET resource:lock "Redis Demo"
EXPIRE resource:lock 120
```

list

A list have an order

RPUSH puts the new value at the end of the list. LPUSH puts the new value at the start of the list.
LLEN, LPOP, RPOP

```
RPUSH friends "Alice"
RPUSH friends "Bob"
```

```
LRANGE friends 0 -1 => 1) "Sam", 2) "Alice", 3) "Bob"
LRANGE friends 0 1 => 1) "Sam", 2) "Alice"
LRANGE friends 1 2 => 1) "Alice", 2) "Bob"
```

set

A set does not have an order but each element may only appear once.

```
SADD superpowers "flight"
SADD superpowers "x-ray vision"
SADD superpowers "reflexes"
SREM superpowers "reflexes"

SISMEMBER superpowers "flight" => 1
```

```
SISMEMBER superpowers "reflexes" => 1
```

sorted set

A sorted set is similar to a regular set, but now each value has an associated score. This score is used to sort the elements in the set.

```
ZADD hackers 1940 "Alan Kay"
ZADD hackers 1969 "Linus Torvalds"
ZADD hackers 1906 "Grace Hopper"
ZADD hackers 1953 "Richard Stallman"

ZRANGE hackers 2 4
1) "Richard Stallman"
2) "Linus Torvalds"
```

hash

type **hash** for **tables and rows**

namespace:table:id

```
INCR gianoauth:realm:next_user_id => 1
HSET gianoauth:realm:user:1 id 1 username "scipio" name "Stefano Scipioni"
password "hash" visits 0
```

add an INDEX with **sets**: collections of strings that are unordered and cannot contain duplicates

```
SADD gianoauth:realm:all-users gianoauth:realms:users:1
```

visits

```
HINCRBY gianoauth:realm:user:1 visits 1 => 2
```

use multi exec to surround HSET and SADD

```
MULTI
HSET ...
HSET ...
SADD ...
EXEC
```

sorted set: like a set a sorted set only allows members without repeats, but also allows you to specify a score

```
ZADD gianoauth:realms:priceIndex 10.99 scipio
```

gui

- fastoredis

server

```
sudo apt install -y redis-server redis-tools
```

From:
https://wiki.csgalileo.org/ - **Galileo Labs**

Permanent link:
https://wiki.csgalileo.org/tips/db/redis?rev=1509994819

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