

گزارش کار با Redis

مهسا بیکران
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اوایل زمستان دلربای ۹۸

SET and GET and Strings

```
127.0.0.1:6379> SET name "Arya"
```

```
OK
```

```
127.0.0.1:6379> GET name
```

```
"Arya"
```

```
127.0.0.1:6379> SET k1 "a"
```

```
OK
```

```
127.0.0.1:6379> GET k1
```

```
"a"
```

```
127.0.0.1:6379> SET k1 "ab"
```

```
OK
```

```
127.0.0.1:6379> GET k1
```

```
"ab"
```

```
127.0.0.1:6379> DEL k1
```

```
(integer) 1
```

```
127.0.0.1:6379> GET k1
```

```
(nil)
```

```
127.0.0.1:6379> EXISTS k1
```

```
(integer) 0
```

```
127.0.0.1:6379> SET k1 MahSa
```

```
OK
```

```
127.0.0.1:6379> TYPE k1
```

```
string
```

```
127.0.0.1:6379> SET k1 1
```

```
OK
```

```
127.0.0.1:6379> DECR k1
```

```
(integer) 0
```

```
127.0.0.1:6379> GET k1
```

```
"0"
```

Hashes

```
127.0.0.1:6379> HMSET h name "arya"
OK
127.0.0.1:6379> HGETALL h
1) "name"
2) "arya"
127.0.0.1:6379> HMSET h name "arya" grade 20
OK
127.0.0.1:6379> HGETALL h
"name" (1
"arya" (2
"grade" (3
4) "20"
127.0.0.1:6379> HMSET h name "arya" grade 20 uni "Amirkabir"
OK
127.0.0.1:6379> HGETALL h
1) "name"
2) "arya"
3) "grade"
4) "20"
5) "uni"
6) "Amirkabir"
127.0.0.1:6379> HDEL h name
(integer) 1
127.0.0.1:6379> HGETALL h
1) "grade"
2) "20"
3) "uni"
4) "Amirkabir"
127.0.0.1:6379> HGET h grade
"20"
```

Lists

```
127.0.0.1:6379> LPUSH 1 val1
(integer) 1
127.0.0.1:6379> LPUSH 1 val2
(integer) 2
127.0.0.1:6379> LPUSH 1 val3
(integer) 3
127.0.0.1:6379> LRANGE 1 0 3
1) "val3"
2) "val2"
3) "val1"
127.0.0.1:6379> LRANGE 1 0 1
1) "val3"
2) "val2"
127.0.0.1:6379> LRANGE 1 0 0
1) "val3"
127.0.0.1:6379> BLPOP 1 1
1) "1"
2) "val3"
127.0.0.1:6379> LRANGE 1 0 10
1) "val2"
2) "val1"
127.0.0.1:6379> LPUSH 1 val3
(integer) 3
127.0.0.1:6379> LRANGE 1 0 10
1) "val3"
2) "val2"
3) "val1"
127.0.0.1:6379> BRPOP 1 1
1) "1"
2) "val1"
127.0.0.1:6379> LPUSH 1 val4
(integer) 3
127.0.0.1:6379> LRANGE 1 0 10
1) "val4"
2) "val3"
3) "val2"
127.0.0.1:6379> LINDEX 1 1
"val3"
127.0.0.1:6379> LINDEX 1 0
"val4"
127.0.0.1:6379> LPOP 1
"val4"
127.0.0.1:6379> LPUSH 1 val4
(integer) 3
127.0.0.1:6379> LSET 1 0 "val44"
OK
127.0.0.1:6379> LRANGE 1 0 10
1) "val44"
2) "val3"
```

```
3) "val2"
127.0.0.1:6379> LPOP 1
"val44"
127.0.0.1:6379> LPUSH 1 val4
(integer) 3
127.0.0.1:6379> LRANGE 1 0 10
1) "val4"
2) "val3"
3) "val2"
127.0.0.1:6379> RPOP 1
"val2"
127.0.0.1:6379> RPUSH 1 "val2"
(integer) 3
127.0.0.1:6379> LRANGE 1 0 10
1) "val4"
2) "val3"
3) "val2"
```

Sets

```
127.0.0.1:6379> SADD set val1
(integer) 1
127.0.0.1:6379> SADD set val2
(integer) 1
127.0.0.1:6379> SADD set val3
(integer) 1
127.0.0.1:6379> SADD set val1
(integer) 0
127.0.0.1:6379> SADD set val1
(integer) 0
127.0.0.1:6379> SMEMBERS set
1) "val2"
2) "val3"
3) "val1"
127.0.0.1:6379> SADD set2 val1
(integer) 1
127.0.0.1:6379> SADD set2 val11
(integer) 1
127.0.0.1:6379> SINTER set set2
1) "val1"
127.0.0.1:6379> SINTERSTORE set set2
(integer) 2
127.0.0.1:6379> SMEMBERS set
1) "val11"
2) "val1"
127.0.0.1:6379> DEL set
(integer) 1
127.0.0.1:6379> SADD set1 val1
(integer) 1
127.0.0.1:6379> SADD set1 val2
(integer) 1
127.0.0.1:6379> SADD set1 val3
(integer) 1
127.0.0.1:6379> SINTERSTORE set3 set1 set2
(integer) 1
127.0.0.1:6379> SMEMBERS set3
1) "val1"
127.0.0.1:6379> SISMEMBER set1 value1
(integer) 0
127.0.0.1:6379> SISMEMBER set1 val1
(integer) 1
127.0.0.1:6379> SREM set1 val1
(integer) 1
127.0.0.1:6379> SMEMBERS set1
1) "val2"
2) "val3"
127.0.0.1:6379> SUNION set1 set2
1) "val11"
2) "val2"
```

- 3) "val1"
- 4) "val3"

Sorted Sets

```
127.0.0.1:6379> ZADD z1 1 val1
(integer) 1
127.0.0.1:6379> ZADD z1 1 val2
(integer) 1
127.0.0.1:6379> ZRANGE z1 0 10 WITHSCORES
1) "val1"
2) "1"
3) "val2"
4) "1"
127.0.0.1:6379> ZADD z1 0 val3
(integer) 1
127.0.0.1:6379> ZRANGE z1 0 10 WITHSCORES
1) "val3"
2) "0"
3) "val1"
4) "1"
5) "val2"
6) "1"
127.0.0.1:6379> ZADD z1 2 val4
(integer) 1
127.0.0.1:6379> ZADD z1 2 val4
(integer) 0
127.0.0.1:6379> ZADD z1 2 val4
(integer) 0
127.0.0.1:6379> ZRANGE z1 0 10 WITHSCORES
1) "val3"
2) "0"
3) "val1"
4) "1"
5) "val2"
6) "1"
7) "val4"
8) "2"
127.0.0.1:6379> ZADD z2 10 val1
(integer) 1
127.0.0.1:6379> ZINTERSTORE z3 2 z1 z2
(integer) 1
127.0.0.1:6379> ZRANGE z2 0 -1 WITHSCORES
1) "val1"
2) "10"
127.0.0.1:6379> ZRANGE z1 0 10
1) "val3"
2) "val1"
3) "val2"
4) "val4"
127.0.0.1:6379> ZRANGE z1 0 10 WITHSCORES
1) "val3"
2) "0"
3) "val1"
```



```
4) "1"
5) "val2"
6) "1"
7) "val4"
8) "2"
127.0.0.1:6379> ZRANGEBYSCORE z1 0 10
1) "val3"
2) "val1"
3) "val2"
4) "val4"
127.0.0.1:6379> ZRANGEBYSCORE z1 0 1
1) "val3"
2) "val1"
3) "val2"
127.0.0.1:6379> ZRANGEBYSCORE z1 0 1 withscores
1) "val3"
2) "0"
3) "val1"
4) "1"
5) "val2"
6) "1"
127.0.0.1:6379> ZREVRANGE z1 0 10 WITHSCORES
1) "val4"
2) "2"
3) "val2"
4) "1"
5) "val1"
6) "1"
7) "val3"
8) "0"
127.0.0.1:6379> ZSCORE z1 val1
"1"
```