Redis - Lists

Redis Lists are simply lists of strings, sorted by insertion order. You can add elements in Redis lists in the head or the tail of the list.

Maximum length of a list is 2^{32} - 1 elements (4294967295, more than 4 billion of elements per list).

Example

```
redis 127.0.0.1:6379> LPUSH tutorials redis
(integer) 1
redis 127.0.0.1:6379> LPUSH tutorials mongodb
(integer) 2
redis 127.0.0.1:6379> LPUSH tutorials mysql
(integer) 3
redis 127.0.0.1:6379> LRANGE tutorials 0 10
1) "mysql"
2) "mongodb"
3) "redis"
```

In the above example, three values are inserted in Redis list named 'tutorials' by the command **LPUSH**.

Redis Lists Commands

Following table lists some basic commands related to lists.

Sr.No	Command & Description
1	**BLPOP key1 [key2] timeout** Removes and gets the first element in a list, or blocks until one is available
2	**BRPOP key1 [key2] timeout** Removes and gets the last element in a list, or blocks until one is available
3	**BRPOPLPUSH source destination timeout** Pops a value from a list, pushes it to another list and returns it; or blocks until one is available

4	**LINDEX key index** Gets an element from a list by its index
5	**LINSERT key BEFORE|AFTER pivot value** Inserts an element before or after another element in a list
6	**LLEN key** Gets the length of a list
7	**LPOP key** Removes and gets the first element in a list
8	**LPUSH key value1 [value2]** Prepends one or multiple values to a list
9	**LPUSHX key value** Prepends a value to a list, only if the list exists
10	**LRANGE key start stop** Gets a range of elements from a list
11	**LREM key count value** Removes elements from a list
12	**LSET key index value** Sets the value of an element in a list by its index
13	**LTRIM key start stop** Trims a list to the specified range
14	**RPOP key** Removes and gets the last element in a list
15	**RPOPLPUSH source destination** Removes the last element in a list, appends it to another list and returns it
16	**RPUSH key value1 [value2]** Appends one or multiple values to a list
17	**RPUSHX key value** Appends a value to a list, only if the list exists