

Homework 2

Gus Lipkin

Code

```
1 DEL tetris:leaderboard
2 ZADD tetris:leaderboard 0 "Ahna" 0 "Nate" 0 "Gus" 0 "Luis"
3 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
4 ZRANGEBYSCORE tetris:leaderboard 0 2000
5 ZINCRBY tetris:leaderboard 9213 "Ahna"
6 ZINCRBY tetris:leaderboard 5246 "Nate"
7 ZINCRBY tetris:leaderboard 9971 "Gus"
8 ZINCRBY tetris:leaderboard 7705 "Luis"
9 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
10 ZINCRBY tetris:leaderboard 14 "Ahna"
11 ZINCRBY tetris:leaderboard 5222 "Nate"
12 ZINCRBY tetris:leaderboard 7097 "Gus"
13 ZINCRBY tetris:leaderboard 5520 "Luis"
14 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
15 ZINCRBY tetris:leaderboard 3160 "Ahna"
16 ZINCRBY tetris:leaderboard 6761 "Nate"
17 ZINCRBY tetris:leaderboard 6921 "Gus"
18 ZINCRBY tetris:leaderboard 281 "Luis"
19 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
```

Code with Results

```
1 DEL tetris:leaderboard
2 > 0
3 ZADD tetris:leaderboard 0 "Ahna" 0 "Nate" 0 "Gus" 0 "Luis"
4 > 4
5 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
6 > Ahna
7 > 0
8 > Gus
9 > 0
10 > Luis
11 > 0
12 > Nate
13 > 0
14 ZRANGEBYSCORE tetris:leaderboard 0 2000
15 > Ahna
```

```
16 > Gus
17 > Luis
18 > Nate
19 ZINCRBY tetris:leaderboard 9213 "Ahna"
20 > 9213
21 ZINCRBY tetris:leaderboard 5246 "Nate"
22 > 5246
23 ZINCRBY tetris:leaderboard 9971 "Gus"
24 > 9971
25 ZINCRBY tetris:leaderboard 7705 "Luis"
26 > 7705
27 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
28 > Nate
29 > 5246
30 > Luis
31 > 7705
32 > Ahna
33 > 9213
34 > Gus
35 > 9971
36 ZINCRBY tetris:leaderboard 14 "Ahna"
37 > 9227
38 ZINCRBY tetris:leaderboard 5222 "Nate"
39 > 10468
40 ZINCRBY tetris:leaderboard 7097 "Gus"
41 > 17068
42 ZINCRBY tetris:leaderboard 5520 "Luis"
43 > 13225
44 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
45 > Ahna
46 > 9227
47 > Nate
48 > 10468
49 > Luis
50 > 13225
51 > Gus
52 > 17068
53 ZINCRBY tetris:leaderboard 3160 "Ahna"
54 > 12387
55 ZINCRBY tetris:leaderboard 6761 "Nate"
56 > 17229
57 ZINCRBY tetris:leaderboard 6921 "Gus"
58 > 23989
59 ZINCRBY tetris:leaderboard 281 "Luis"
60 > 13506
61 ZRANGE tetris:leaderboard 0 999999 WITHSCORES
```

```
62 > Ahna
63 > 12387
64 > Luis
65 > 13506
66 > Nate
67 > 17229
68 > Gus
69 > 23989
```

Screenshots of Initial and Final State

Initial State

SQLRedisloc

1 DEL tetris:leaderboard

2 ZADD tetris:leaderboard 0 "Ahna" 0 "Nate" 0 "Gus" 0 "Luis"

3 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

4 ZRANGEBYSCORE tetris:leaderboard 0 2000

5 ZINCRBY tetris:leaderboard 9213 "Ahna"

6 ZINCRBY tetris:leaderboard 5246 "Nate"

7 ZINCRBY tetris:leaderboard 9971 "Gus"

8 ZINCRBY tetris:leaderboard 7705 "Luis"

9 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

10 ZINCRBY tetris:leaderboard 14 "Ahna"

11 ZINCRBY tetris:leaderboard 5222 "Nate"

12 ZINCRBY tetris:leaderboard 7097 "Gus"

13 ZINCRBY tetris:leaderboard 5520 "Luis"

14 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

15 ZINCRBY tetris:leaderboard 3160 "Ahna"

16 ZINCRBY tetris:leaderboard 6761 "Nate"

17 ZINCRBY tetris:leaderboard 6921 "Gus"

18 ZINCRBY tetris:leaderboard 281 "Luis"

19 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

⚙️

Line 3, column 16, location 97

Beautify ⌘B

Run Current

value	
Ahna	
0	
Gus	
0	
Luis	
0	
Nate	
0	

DataMessageChart

231 μs8 rows

🌟

🔍

Export...

Final State

Redisloc

2 ZADD tetris:leaderboard 0 "Anna" 0 "Nate" 0 "Gus" 0 "Luis"

3 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

4 ZRANGEBYSCORE tetris:leaderboard 0 2000

5 ZINCRBY tetris:leaderboard 9213 "Ahna"

6 ZINCRBY tetris:leaderboard 5246 "Nate"

7 ZINCRBY tetris:leaderboard 9971 "Gus"

8 ZINCRBY tetris:leaderboard 7705 "Luis"

9 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

10 ZINCRBY tetris:leaderboard 14 "Ahna"

11 ZINCRBY tetris:leaderboard 5222 "Nate"

12 ZINCRBY tetris:leaderboard 7097 "Gus"

13 ZINCRBY tetris:leaderboard 5520 "Luis"

14 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

15 ZINCRBY tetris:leaderboard 3160 "Ahna"

16 ZINCRBY tetris:leaderboard 6761 "Nate"

17 ZINCRBY tetris:leaderboard 6921 "Gus"

18 ZINCRBY tetris:leaderboard 281 "Luis"

19 ZRANGE tetris:leaderboard 0 999999 WITHSCORES

20

⚙️

Line 19, column 12, location 733

Beautify ⌘I

Run Current

value
Ahna
12387
Luis
13506
Nate
17229
Gus
23989

DataMessageChart

311 μs8 rows

🔍

Export...