

ScreenIO.txt

```
1 *****
2 * PROGRAMMED BY : Wesley Chok
3 * CLASS        : CS1D
4 * SECTION      : MW 2:30 - 4:50p
5 * ASN #8       : Skip Lists
6 *****
7
8 /*****
9 * OUTPUT (This is a comment, not part of the output)
10 * -----
11 * This outputs the contents of the skip list in its entirety. If keys are
12 * to be inserted in the skip list, then it will output "Successfully Inserted
13 * key". If keys are to be deleted in the skip list, then it will output
14 * "Successfully delete key". After the information has been inserted into
15 * the skip list, the displayList() function is called to output the entire
16 * skip list. If the key is to be searched, then it will output "Found:" if its
17 * successful in finding the correct key. If the key is not successfully found,
18 * then it will output "does not exist on the skip list!"
19 * -----
20 /*****
21
22 Successfully Inserted key 41 Mission Viejo
23 Successfully Inserted key 22 Laguna Niguel
24 Successfully Inserted key 44 Irvine
25 Successfully Inserted key 58 Lake Forest
26 Successfully Inserted key 32 San Diego
27 Successfully Inserted key 49 Anaheim
28 Successfully delete key 58 Lake Forest
29 Successfully Inserted key 31 Los Angeles
30 Successfully Inserted key 17 Orange
31 Successfully Inserted key 72 Palms Springs
32 Successfully delete key 49 Anaheim
33 Successfully Inserted key 19 Brea
34 Successfully Inserted key 60 Santa Ana
35 Successfully Inserted key 35 Tustin
36 Successfully Inserted key 103 Oceanside
37 Successfully Inserted key 11 La Jolla
38 Successfully Inserted key 18 Del Mar
39 Successfully Inserted key 49 Laguna Beach
40 Successfully delete key 41 Riverside
41 Successfully Inserted key 42 Vista
42 Successfully Inserted key 99 San Juan
43 Successfully Inserted key 29 Dana Point
44 Successfully Inserted key 88 El Segundo
45 Successfully Inserted key 41 San Clemente
46 Successfully Inserted key 62 Laguna Hills
47
48 *****Skip List*****
49 Level 0: 11 La Jolla 17 Orange 18 Del Mar 19 Brea 22 Laguna Niguel 29 Dana Point
50          31 Los Angeles 32 San Diego 35 Tustin 41 San Clemente 42 Vista
51          44 Irvine 49 Laguna Beach 60 Santa Ana 62 Laguna Hills
52          72 Palms Springs 88 El Segundo 99 San Juan 103 Oceanside
53 Level 1: 18 Del Mar 19 Brea 29 Dana Point 32 San Diego 41 San Clemente
54          42 Vista 44 Irvine 49 Laguna Beach 60 Santa Ana 62 Laguna Hills
55          88 El Segundo 99 San Juan
56 Level 2: 29 Dana Point 32 San Diego 41 San Clemente 42 Vista 44 Irvine
57          49 Laguna Beach
```

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58 Level 3: 29 Dana Point 41 San Clemente 49 Laguna Beach
59 Level 4: 41 San Clemente 49 Laguna Beach
60 Level 5: 41 San Clemente 49 Laguna Beach
61 Level 6: 41 San Clemente
62 Found key: 62 Laguna Hills
63 105 Kentucky does not exist on the skip list!
64 Size: 102
65 Not Empty!