M6: Hands-On: Hash Tables Results for Honey Reddy Nagireddy

ⓘ Correct answers are hidden.

Score for this attempt: **2** out of 2

Submitted Apr 13 at 9:52am

This attempt took less than 1 minute.

Question 1

1 / 1 pts

Assume you have an open-addressed hash table using linear probing for collision resolution and no rehashing. Which table below shows the result of inserting the following hash codes in the order in which they appear, using the hash function $h(hashcode) = hashcode \ \% \ 10$?

`22, 9, 5, 18, 14, 28, 30, 19`

A.

0	1	2	3	4	5	6	7	8	9
22	9	5	18	14	28	30	19		

B.

0	1	2	3	4	5	6	7	8	9
28	30	22	19	14	5			18	9

C.

0	1	2	3	4	5	6	7	8	9
30		22	19	14	5		28	18	9

D.

0	1	2	3	4	5	6	7	8	9
28	19	22		14	5	30		18	9

- ○ A
- ◉ B
- ○ C
- ○ D

Question 2

1 / 1 pts

Assume you have an open-addressed hash table using double hashing for collision resolution and no rehashing. Which table below shows the result of inserting the following hash codes in the order in which they appear, using the hash function $h(hashcode) = hashcode \ \% \ 10$ and the secondary hash function $h_2(hashcode) = 1 + hashcode \ \% \ 9$.

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22, 9, 5, 18, 14, 28, 30, 19
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A.

0	1	2	3	4	5	6	7	8	9
22	9	5	18	14	28	30	19		

B.

0	1	2	3	4	5	6	7	8	9
30		22	19	14	5		28	18	9

C.

0	1	2	3	4	5	6	7	8	9
28	30	22	19	14	5			18	9

D.

0	1	2	3	4	5	6	7	8	9
28	19	22		14	5	30		18	9

- ○ A
- ○ B
- ○ C
- ◉ D

Quiz Score: **2** out of 2