

Homework Quiz - Week 15 Results for Murshed SK

 Correct answers are hidden.

Score for this attempt: 10 out of 10

Submitted Feb 12 at 11:40pm

This attempt took 2 minutes.



Question 1

1 / 1 pts

In Problem #1.1, which marked_item would be found in the fewest queries?

- 5
- 12
- 99
- 3
- It is impossible to predict.



Question 2

1 / 1 pts

In Problem #1.1, which marked_item would be found in the most queries?

- 5
- 12
- 99
- 3
- It is impossible to predict.



Question 3

1 / 1 pts

In problem #1.2, for num=100 and target=16, how many queries would it take to find the marked_item?

- 16
- 17
- 100

1

It is impossible to predict.



Question 4

1 / 1 pts

In problem #1.2, for num=10, which of these values for target would return the marked_item in 4 queries?

1

3

4

5

10



Question 5

1 / 1 pts

How does Big O compare for the two algorithms in Problem #1.2 and #2.2.

Big O is smaller for #1.2 than #2.2.

Big O is larger for #1.2 than #2.2.

Big O is the same size for #1.2 and #2.2.

Big O is sometimes smaller and sometimes larger for #1.2 than #2.2 depending on the value of the target variable.

Big O cannot be calculated for the algorithms in #1.2 and #2.2.



Question 6

1 / 1 pts

In Problem #2.2, for num=100, what target would be found in the fewest queries?

0

25

49

50

98



Question 7

1 / 1 pts

In Problem #2.2, for num=100, what target would be found in the most queries?

- 0
 - 25
 - 33
 - 49
 - 75
- ⋮

Question 8

1 / 1 pts

How does the number of searches compare for lin_search and bin_search in Problem #2.3?

- lin_search was more efficient.
 - bin_search was more efficient.
 - lin_search and bin_search found the number in the same number of queries.
 - lin_search found the number while bin_search did not.
 - bin_search found the number while lin_search did not.
- ⋮

Question 9

1 / 1 pts

How does the number of searches compare for lin_search and bin_search in Problem #2.4?

- bin_search was more effective for all size ranges.
- lin_search was more effective for all size ranges.
-

lin_search was more effective for ranges with fewer than 100 elements, bin_search was more effective for ranges with 100 elements or more.

- - bin_search was more effective for ranges with fewer than 100 elements, lin_search was more effective for ranges with 100 elements or more.
 - There was no pattern when it came to the effectiveness of the two algorithms.
- ⋮

Question 10

1 / 1 pts

For num=100, which entry would be returned in fewer searches by lin_search than by bin_search?

- 5
- 10
- 25
- 50
- 98

Quiz Score: 10 out of 10