Quiz 15

Due Jun 2 at 11:59pm **Points** 5 **Questions** 5
Available until Jun 2 at 11:59pm **Time Limit** None

Instructions

Answer the following questions.

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	26 minutes	5 out of 5

Score for this quiz: **5** out of 5
Submitted Jun 2 at 5:26pm
This attempt took 26 minutes.

Question 1 — 1 / 1 pts

Consider the following list of numbers in order: 4, 1, 3, 7, 2.

What would be the right partition in merge sort?

Correct!

- (•) 7, 2
- ( ) 3, 7, 2

- 4, 1, 3
- 1, 3, 7, 2

Question 2

1 / 1 pts

What would be the result of merging to sorted lists?

Correct!

- (•) A sorted list
- Non necessarily a sorted list

Question 3

1 / 1 pts

Merging iteratively selects the smallest element of the two partitions adds it to the merge list.

Correct!

- (•) True
- False

Question 4

1 / 1 pts

Consider two lists below that need to be merged:

1, 2, 3, 9

5, 6, 8

What would be the first three elements that are added to the merged list?

- 1, 5, 6
- Correct! 1, 2, 3
- 1, 5, 2
- 1, 2, 5

Question 5

1 / 1 pts

What is the time complexity of merge sort?

- O(N)
- $O(N^2)$
- Correct! O(N log N)

Quiz Score: **5** out of 5