Quiz 16

Due Jun 5 at 11:59pm **Points** 5 **Questions** 5
Available until Jun 5 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	14 minutes	5 out of 5

Score for this quiz: **5** out of 5
Submitted Jun 5 at 5:24pm
This attempt took 14 minutes.

Question 1 — 1 / 1 pts

Consider the following array of numbers in order: 4, 6, 5, 3, 2.

What is the pivot value in partitioning for quick sort?

- 6
- 3

- 4
- 5

Correct!

Question 2

1 / 1 pts

Consider the following array of numbers in order: 4, 6, 5, 3, 2.

After the first iteration for partitioning, what would be the content of the list?

Correct!

- 4, 2, 5, 3, 6
- 4, 5, 6 ,3, 2
- 4, 6, 5, 3, 2
- 2, 4, 3, 5, 6

Question 3

1 / 1 pts

Consider the following array X of numbers in order: 4, 6, 5, 3, 2.

After the first iteration for partitioning, what are the values of X[h] and X[l]?

X[h] is 6, X[l] is 3.

X[h] is 6, X[l] is 2.

Correct!

X[h] is 3, X[l] is 5.

X[h] is 4, X[l] is 5.

Question 4

1 / 1 pts

Consider the following array of numbers in order: 4, 6, 5, 3, 2.

After the second iteration for partitioning, what would be the content of the list?

2, 4, 3, 6, 5

2, 3, 4, 5, 6

4, 2, 5, 3, 6

Correct!

4, 2, 3, 5, 6

Question 5

1 / 1 pts

Quick sort is a recursive algorithm that iteratively partitions the list into smaller sizes.

Correct!

- (•) True
- ( ) False

Quiz Score: **5** out of 5