

Quiz Week-10

Due Apr 10 at 11:59pm **Points** 10 **Questions** 10
Available Apr 10 at 12am - Apr 10 at 11:59pm about 24 hours
Time Limit 20 Minutes **Allowed Attempts** 2

Instructions

You have 20 minutes to complete this quiz.

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	2 minutes	10 out of 10
LATEST	Attempt 2	2 minutes	10 out of 10
	Attempt 1	6 minutes	9 out of 10

Score for this attempt: **10** out of 10

Submitted Apr 10 at 4:41pm

This attempt took 2 minutes.

Question 1

1 / 1 pts

The two most common queue operations are `enqueue` and `dequeue`.

☐ True

☒ False

Correct!

Question 2**1 / 1 pts**

The STL provides containers for deque and queue.

Correct!☒ True☐ False**Question 3****1 / 1 pts**

Stacks and queues can be implemented as arrays or linked lists.

Correct!☒ True☐ False**Question 4****1 / 1 pts**

A real-world example of the queue data structure can be seen in a stack of cafeteria trays where the last tray pushed onto the stack is the first tray removed.

Correct!☐ True☒ False

Question 5**1 / 1 pts**

Which of the following is a double-ended queue?

- ☐ circular array
- ☒ deque
- ☐ two-tailed vector
- ☐ two-headed stack
- ☐ None of these

Correct!**Question 6****1 / 1 pts**

A _____ stack or queue is built around the linked list.

- ☐ floating-point
- ☒ dynamic
- ☐ deque-based
- ☐ static
- ☐ None of these

Correct!**Question 7****1 / 1 pts**

Correct!

A container that provides quick access to elements at the front and the back of the list is a

- ☒ deque
- ☐ queue
- ☐ stack
- ☐ All of these
- ☐ None of these

Question 8**1 / 1 pts**

A queue is a data structure that stores and retrieves item in the _____ manner.

Correct!

- ☐ first in, last out
- ☐ random
- ☒ first in, first out
- ☐ last in, first out
- ☐ None of these

Question 9**1 / 1 pts**

When an element is added to a queue, it is added to the rear. When an element is removed from the queue, it is removed from the

Correct!

- ☐ middle
- ☒ front
- ☐ rear
- ☐ Depends on how the programmer writes the code
- ☐ None of these

Question 10

1 / 1 pts

A dynamic queue can be implemented as a

Correct!

- ☐ fixed-length array
- ☐ fixed-length circular array
- ☒ dynamic linked list
- ☐ All of these
- ☐ None of these

Quiz Score: 10 out of 10