Quiz - Basic Data Structures/C++ - CS-250-350 - ... https://online.jccc.edu/d2l/lms/quizzing/user/atte...

Quiz

**Note:** It is recommended that you save your response as you complete each question.



Theory

**Question 1** (1 point)

Match the stack / queue to their classifications

First In First Out **1**. Stack

Last In First Out **2**. Queue



Save



Applications



**Question 2** (1 point)

If the array

6, 2, 7, 13, 5, 4

is added to a stack, in the order given, which number will be the first number to be removed from the stack?

4

6

2

5

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Save



**Question 3** (1 point)

Given the following queue operations on an empty existing queue called nameQueue.

**nameQueue.enqueue(“Sid”)**

**nameQueue.enqueue(“Sal”)**

**nameQueue.enqueue(“Sue”)**

**nameQueue.enqueue(“Sam”)**

**nameQueue.dequeue()**

**display (nameQueue.peekFront())**

What name is displayed?

Sam

Sue

Sid

Sal



Save



**Question 4** (1 point)

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**0 1 2 3 4**

For this array, item at position 0 was added first, and item at position 4 was added last.

If this is a **stack**, how many times would you need to call **pop()** so that **item 3** is the next accessible item on the sta

Call pop() **1** time(s).



Save



**Question 5** (1 point)

**0 1 2 3 4**

For this array, item at position 0 was added first, and item at position 4 was added last.

If this is a **queue**, how many times would you need to call **pop()** so that **item 3** is the next accessible item on the st

Call pop() **3** time(s).



Save



**Question 6** (1 point)

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Given a **stack**, if we run the following commands:

1. push( 'a' )
2. push( 'b' )
3. pop()
4. push( 'c' )
5. push( 'd' )
6. pop()
7. pop()

What is the next item that will be removed when **pop()** is called next?

The next item to be popped will be **A**



Save



**Question 7** (1 point)

Given a **queue**, if we run the following commands:

1. push( 'a' )
2. push( 'b' )
3. pop()
4. push( 'c' )
5. push( 'd' )
6. pop()
7. pop()

What is the next item that will be removed when **pop()** is called next?

The next item to be popped will be **D**



Save



Save All Responses Go to Submit Quiz

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