

RIZ MUGHAL

QUIZ MASTER

Grand Quiz(CS301)

100% correct solution.

For more information you can visit my channel and for any type of help related to CS619 you can contact me.



YOUTUBE CHANNEL:

<https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists>

FACEBOOK GROUP:

<https://www.facebook.com/groups/923887914750307>

Question # 1 of 30 (Start time: 10:43:24 AM, 29 December 2020)

A queue is a _____ data structure, whereas a stack is a _____ data structure.

Select the correct option

- | | |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | FIFO, LIFO |
| <input type="radio"/> | LIFO, FIFO |
| <input type="radio"/> | both of these |
| <input type="radio"/> | none of these |

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Question # 2 of 30 (**Start time: 10:43:46 AM, 29 December 2020**)

Generalized code written for a class is called:

Select the correct option

- | | |
|----------------------------------|-----------|
| <input type="radio"/> | Function |
| <input checked="" type="radio"/> | Template |
| <input type="radio"/> | Structure |
| <input type="radio"/> | Stack |

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Question # 3 of 30 (Start time: 10:44:07 AM, 29 December 2020)

We cannot remove items randomly from _____

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Stack |
| <input type="radio"/> | Queue |
| <input checked="" type="radio"/> | stack and queue |
| <input type="radio"/> | list |

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Question # 4 of 30 (Start time: 10:44:22 AM, 29 December 2020)

What will be the return type of the findMin method in the statement given below?
int& findMin() const;

Select the correct option

- | | |
|----------------------------------|-------------------|
| <input checked="" type="radio"/> | integer reference |
| <input type="radio"/> | constant integer |
| <input type="radio"/> | integer variable |
| <input type="radio"/> | integer pointer |

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Question # 5 of 30 (Start time: 10:44:47 AM, 29 December 2020)

In array list the worst case of removing an element is

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | To remove an element from the end of the list |
| <input type="radio"/> | To remove an element from the middle of the list |
| <input checked="" type="radio"/> | To remove an element from the start of the list |
| <input type="radio"/> | We cannot remove element from an array list |

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Question # 6 of 30 (Start time: 10:45:07 AM, 29 December 2020)

In a program a reference variable, say x, can be declared as

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | <code>int &x ;</code> |
| <input type="radio"/> | <code>int *x ;</code> |
| <input type="radio"/> | <code>int x ;</code> |
| <input checked="" type="radio"/> | <code>int &x = any_other_variable ;</code> |

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Question # 7 of 30 (Start time: 10:45:20 AM, 29 December 2020)

next() method of List class is used to:

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | Moves the current position backward one element |
| <input type="radio"/> | Moves the "current" pointer to two steps after the last element of the array |
| <input checked="" type="radio"/> | Moves the current position forward one element |
| <input type="radio"/> | Moves the "current" pointer to two steps before the last element of the array |

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Question # 8 of 30 (Start time: 10:45:36 AM, 29 December 2020)

isEmpty() method of stack class will return true when:

Select the correct option

<input checked="" type="radio"/>	Stack is empty
<input type="radio"/>	Stack is full
<input type="radio"/>	Stack is not empty and not full
<input type="radio"/>	Stack is partially empty

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Question # 9 of 30 (Start time: 10:45:46 AM, 29 December 2020)

NULL is an invalid address and _____.

Select the correct option

- | | |
|----------------------------------|---|
| <input type="radio"/> | Accessible |
| <input checked="" type="radio"/> | Inaccessible |
| <input type="radio"/> | Points to the start point of the list |
| <input type="radio"/> | Points to the last current node of the list |

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Question # 10 of 30 (Start time: 10:46:02 AM, 29 December 2020)

Which one option is correct to know the first element of the linked list.

Select the correct option

<input type="radio"/>	Head pointer
<input checked="" type="radio"/>	Start();
<input type="radio"/>	Current pointer
<input type="radio"/>	Last pointer

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Question # 11 of 30 (Start time: 10:46:17 AM, 29 December 2020)

If we use singly linked list to implement list, then there is an issue that it gives difficulty when we:

Select the correct option

- | | |
|----------------------------------|---------------------------|
| <input type="radio"/> | Move forward in the list |
| <input checked="" type="radio"/> | Move backward in the list |
| <input type="radio"/> | We will increase its size |
| <input type="radio"/> | We will decrease its size |

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Question # 12 of 30 (Start time: 10:46:33 AM, 29 December 2020)

Each node in doubly link list has,

Select the correct option

- | | |
|----------------------------------|------------|
| <input type="radio"/> | 1 pointer |
| <input checked="" type="radio"/> | 2 pointers |
| <input type="radio"/> | 3 pointers |
| <input type="radio"/> | 4 pointers |

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Question # 13 of 30 (Start time: 10:46:45 AM, 29 December 2020)

For reference variables, _____ sign is used.

Select the correct option

- | | |
|----------------------------------|-----------|
| <input checked="" type="radio"/> | ampersand |
| <input type="radio"/> | asterisk |
| <input type="radio"/> | sigma |
| <input type="radio"/> | dollar |

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Question # 14 of 30 (Start time: 10:47:04 AM, 29 December 2020)

Doubly Linked List always has _____ NULL pointer/s in a node.

Select the correct option

<input type="radio"/>	One
<input checked="" type="radio"/>	Two
<input type="radio"/>	Three
<input type="radio"/>	Four

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Question # 15 of 30 (Start time: 10:47:17 AM, 29 December 2020)

~BinarySearchTree() is a _____.

Select the correct option

- | | |
|----------------------------------|----------------------|
| <input type="radio"/> | Constructor |
| <input checked="" type="radio"/> | Destructor |
| <input type="radio"/> | Switch case |
| <input type="radio"/> | Template method call |

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Question # 16 of 30 (Start time: 10:47:31 AM, 29 December 2020)

In which traversal method, the recursive calls can be used to traverse a binary tree ?

Select the correct option

- | | |
|-------------------------------------|-----------------------------|
| <input type="radio"/> | In preorder traversal only |
| <input type="radio"/> | In inorder traversal only |
| <input type="radio"/> | In postorder traversal only |
| <input checked="" type="checkbox"/> | All of the given options |

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Question # 17 of 30 (Start time: 10:47:50 AM, 29 December 2020)

We allocate memory dynamically by using _____ operator.

Select the correct option

- | | |
|----------------------------------|-----------|
| <input type="radio"/> | this |
| <input checked="" type="radio"/> | new |
| <input type="radio"/> | increment |
| <input type="radio"/> | decrement |

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Question # 18 of 30 (Start time: 10:48:06 AM, 29 December 2020)

When a function calling itself is called as _____.

Select the correct option

- | | |
|----------------------------------|-------------|
| <input type="radio"/> | Inline |
| <input checked="" type="radio"/> | Recursion |
| <input type="radio"/> | Iteration |
| <input type="radio"/> | Nested loop |

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Question # 19 of 30 (Start time: 10:48:19 AM, 29 December 2020)

In node class one field is an integer data and other field will be _____.

Select the correct option

- | | |
|----------------------------------|--------------------|
| <input type="radio"/> | Pointer to class |
| <input checked="" type="radio"/> | Pointer to node |
| <input type="radio"/> | Pointer to integer |
| <input type="radio"/> | pointer to a list |

Question # 20 of 30 (Start time: 10:48:32 AM, 29 December 2020)

Allocating and de-allocating memory for linked list nodes does take _____ time than pre-allocated array.

Select the correct option

<input type="radio"/>	Less
<input checked="" type="radio"/>	More
<input type="radio"/>	Equal
<input type="radio"/>	No

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Question # 21 of 30 (Start time: 10:48:46 AM, 29 December 2020)

A zigzag rotation is performed. In Left-Left case of rotation in AVL tree.

Select the correct option

<input type="radio"/>	True
<input checked="" type="radio"/>	False
<input type="radio"/>	In some cases
<input type="radio"/>	There is no Left-Left case of rotaion

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Question # 22 of 30 (Start time: 10:48:58 AM, 29 December 2020)

Total Ma

In the linked list implementation of the stack class, where does the push member function places the new entry on the linked list?

Select the correct option

- | | |
|----------------------------------|--|
| <input type="radio"/> | After all other entries that are greater than the new entry. |
| <input checked="" type="radio"/> | At the head |
| <input type="radio"/> | After all other entries that are smaller than the new entry. |
| <input type="radio"/> | At the tail |

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Question # 23 of 30 (**Start time: 10:49:13 AM, 29 December 2020**)

The _____ of a binary tree is the maximum level of the deepest leaf in the tree.

Select the correct option

<input type="radio"/>	Height
<input type="radio"/>	Width
<input checked="" type="radio"/>	Depth
<input type="radio"/>	Length

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Question # 24 of 30 (Start time: 10:49:26 AM, 29 December 2020)

Total

Which operation of queue data structure is used to get front element from the queue and then remove it from the queue?

Select the correct option

- | | |
|----------------------------------|-----------|
| <input type="radio"/> | enqueue() |
| <input checked="" type="radio"/> | dequeue() |
| <input type="radio"/> | front() |
| <input type="radio"/> | remove() |

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Question # 25 of 30 (Start time: 10:49:43 AM, 29 December 2020)

STL is a _____ that is a part of the official standard of C++.

Select the correct option

- | | |
|----------------------------------|----------------|
| <input type="radio"/> | C program file |
| <input type="radio"/> | .h file |
| <input type="radio"/> | .cpp file |
| <input checked="" type="radio"/> | Library |

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Question # 26 of 30 (Start time: 10:49:54 AM, 29 December 2020)

_____ is used for Reference variables in C++.

Select the correct option



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Question # 27 of 30 (Start time: 10:50:08 AM, 29 December 20

```
void _____ (TreeNode* treeNode)
{
if( treeNode != NULL )
{
cout << *(treeNode->getInfo())<<" ";
_____ (treeNode->getLeft());
_____ (treeNode->getRight());
}
```

Select the correct option

<input checked="" type="radio"/>	Preorder
<input type="radio"/>	Postorder
<input type="radio"/>	Inorder
<input type="radio"/>	Levelorder

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Question # 28 of 30 (Start time: 10:50:23 AM, 29 December 2020)

New items are added at the _____ of the stack.

Select the correct option

<input type="radio"/>	Bottom
<input type="radio"/>	Middle
<input type="radio"/>	Center
<input checked="" type="radio"/>	Top

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Question # 29 of 30 (Start time: 10:50:35 AM, 29 December 2020)

Following is a keyword of C++ _____

Select the correct option

<input type="radio"/>	del
<input checked="" type="radio"/>	delete
<input type="radio"/>	remove
<input type="radio"/>	eliminate

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Question # 30 of 30 (Start time: 10:50:48 AM, 29 December 2020)

The function calls are made with the help of_____.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input checked="" type="radio"/> | Stack |
| <input type="radio"/> | Heap |
| <input type="radio"/> | Dynamic memory |
| <input type="radio"/> | External memory |

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