

The respondent's email (jayedkn64@gmail.com) was recorded on submission of this form.

C & C++ 5 of 5 points

1) What will be the output of the program? \*

1/1

```
#include <stdio.h>
int main() {
    int a = 5;
    int b = a++;
    printf("%d %d\n", a, b);
    return 0;
```

- 56
- 5 5
- 65
- Error

```
#include <stdio.h>
int main() {
    printf("%lu", sizeof(int));
    return 0;
}
```

- **16**
- 4
- 32
- O 2

```
3) What will be the output of the program? *
```

```
1/1
```

```
#include <stdio.h>
#include <string.h>

int main() {
    char str[] = "Hello";
    printf("%d", strlen(str));
    return 0;
}
```

- ( ) 4
- 5
- O 6
- Error

4) Suppose x = 10, y = 5. What is the result of x % y? \*

1/1

- 2
- O 5
- 0
- 1

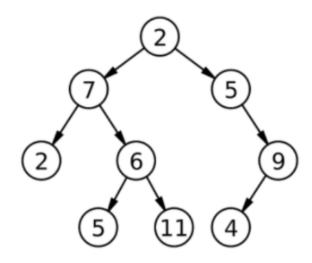
5) Which operator is used to access members of a dynamically allocated *1/1 object?
O . (Dot Operator)
-> (Arrow Operator)
* (Dereference Operator)
:: (Scope Resolution Operator)
Data Structure 5 of 5 points
What is the time complexity of inserting at the tail of a singly linked list?  *1/1  (Optimized Version)
O(N)
O(N*N)
O(1)
O None of them
2) Binary search algorithm time complexity when the array is not sorted? * 1/1
O(logN)
O(N*logN)
O(N*N)
O(N)

3) What type of heap is commonly used to manage the leaderboards in a gaming system where the highest scores must be accessed quickly?	*1/1
Min Heap	
Max Heap	
O Binary Search Tree	
None of the above	
4) Which of the following is a real-life application of a priority queue implemented using a heap?	*1/1
O Undo feature in a text editor	
Managing web browser tabs	
Task scheduling in an operating system	
None of the above	
Redo feature in a text editor	

5	) What will be	the In-orde	r traversal of	f thic hinar	v troo? *
J	, vviiat vviii De	tile ili-olue	i ilavelsai Oi	i tilis billai	y tiee:

1/1

0/1



- 2726511594
- 2756112549
- 2756254119
- 2765112459

Algorithm 3 of 5 points

1) What data structure is used to implement Dijkstra's algorithm?

- Stack
- O Priority Queue
- Queue
- Linked List

.

	0	1	2	3	4
0	0	1	1	0	0
1	0	0	1	0	1
2	0	0	0	1	0
3	0	0	0	0	1
4	0	0	0	0	0

- Undirected Graph
- O Directed Graph
- O Directed Cyclic Graph
- Bidirectional Graph

Do not edit this field, click on SUBMIT

0 of 0 points

The field below is needed by Form Timer and must NOT be modified. If you modify this key your answer will not be recorded.

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