## Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

Go to next item

Continuum

Retake the assignment in **7h 57m** 

<ul> <li>Exponentiation</li> <li>Factorial</li> <li>Numeration</li> <li>✓ Correct         <ul> <li>That's correct. This is the practice of raising a value to the power and it determines how many possible representations a binary number can have.</li> </ul> </li> <li>Which is the quickest: O(n), O(2n) or O(log(n)?</li> <li>O(2n)</li> <li>O(log(n))</li> <li>O(n)</li> </ul> <li>Correct         <ul> <li>That's correct. Applying a log to a value makes it very small, and is as near to instant time you can get without having instant time.</li> </ul> </li>		
<ul> <li>Your technical interview.</li> <li>During the screening.</li> <li>Correct         That's correct! A technical interview will be most concerned with coding related attributes.     </li> <li>What is the mathematical process for calculating all possible binary permutations called?</li> <li>Exponentiation</li> <li>Factorial</li> <li>Numeration</li> <li>Correct         That's correct. This is the practice of raising a value to the power and it determines how many possible representations a binary number can have.     </li> <li>Which is the quickest: O(n), O(2n) or O(log(n)?</li> <li>O(2n)</li> <li>O(2n)</li> <li>O(log(n))</li> <li>O(n)</li> <li>Correct         That's correct. Applying a log to a value makes it very small, and is as near to instant time you can get without having instant time.     </li> </ul>	1.	Where would you most likely to be asked a series of coding related questions?
<ul> <li>○ Correct         That's correct! A technical interview will be most concerned with coding related attributes.     </li> <li>2. What is the mathematical process for calculating all possible binary permutations called?</li> <li>● Exponentiation</li> <li>○ Factorial</li> <li>○ Numeration</li> <li>○ Correct         That's correct. This is the practice of raising a value to the power and it determines how many possible representations a binary number can have.     </li> <li>3. Which is the quickest: O(n), O(2n) or O(log(n)?</li> <li>○ O(2n)</li> <li>● O(log(n))</li> <li>○ O(n)</li> <li>○ Correct         That's correct. Applying a log to a value makes it very small, and is as near to instant time you can get without having instant time.     </li> </ul>		Ouring the take-home assignment.
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4. Space complexity is more concerned with:	4.	Space complexity is more concerned with:

	<ul><li>Time</li><li>Space</li></ul>	
	Correct That's correct! It is a metric that establishes the space a program takes.	
5.	In relation to data structures mutability refers to:	1/1 point
	Whether a structure can be changed after its completion.	
	The use of one data structure as a container to mimic another.	
	The initial limitations on the size that they can grow to.	
	<ul> <li>Correct         That's correct. Mutability refers to an object's ability to change once it has been instantiated.     </li> </ul>	
6.	True or false: Lists are objects therefore can be sorted.	1/1 point
	True	
	○ False	
	That's correct! Casting a list as an object means that it has the extra functionality to sort its contents.	
7.	True or false: You should leave all code used and unused when conducting a coding interview.	1/1 point
		2/2/20111
	True  False	
	Correct  That's correct! It is natural that redundant code creeps in during the process of solving the problem. It is ok to delete these unused code segments after you see that they are no longer	
	needed.	
ρ	Which of the following is valid terminology for trees.	
0.		1/1 point
	✓ Branch	
	<ul> <li>Correct         That's correct. This refers to a series of connected nodes.     </li> </ul>	
	Root	

<ul> <li>✓ Correct         That's correct! A node with no children nodes.     </li> <li>9. What are collection classes?</li> <li>⑤ Specialized classes for data storage and retrieval.</li> <li>⑥ Collections that take a specific type of class.</li> <li>⑥ Classes that are used by data structures to give them extra functionality like sorting.</li> <li>✓ Correct         That's correct! They reflect a suite of data structures that act in unique ways and as such can be more suited to a given problem.     </li> <li>10. The process of storing results for later look up to save computation time is an example of what?</li> <li>⑥ Recursion</li> <li>⑥ Memoization</li> <li>Modularization</li> <li>ⓒ Correct         That's correct! It can seriously reduce further computation times.     </li> </ul>		That's correct! It is the base node in a tree.
That's correct! A node with no children nodes.  9. What are collection classes?  ● Specialized classes for data storage and retrieval.  ○ Collections that take a specific type of class.  ○ Classes that are used by data structures to give them extra functionality like sorting.  ○ Correct  That's correct! They reflect a suite of data structures that act in unique ways and as such can be more suited to a given problem.  10. The process of storing results for later look up to save computation time is an example of what?  ○ Recursion  ● Memoization  ○ Modularization  ○ Correct		✓ Leaf
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<b>⊘</b> Correct		
		Modularization

✓ Correct