

## MongoDB

1. Given a string of parantheses, brackets, and curly braces, write a function that returns whether the string is well balanced, in that every left delimiter is closed by the correct right delimiter.
2. How garbage collectors were implemented in various languages.
3. Finding the largest prime divisor of a number
4. Use vectors from the C++ standard library and use iterators for iterating through those elements.
5. How would you write DB write / access functions to make sure data is not modified by threads.
6. Parse mathematical expression given as chars in array ['1', '+', '2', '/', '4'].
7. Write an algorithm to find a loop in a graph. The graph is unidirectional with any number of connections. The graph is not necessarily connected
8. Fizzbuzz.
9. Find the height of a binary tree.
10. Parsing parenthesis.
11. Java Basic Questions
12. What Does your code typically look like?
13. Write an algorithm that tells me if 2 and only two numbers in a 1x3 array are the same.
14. What do you think is the difference between C and C++?
15. What's the difference between malloc in C and new in C++?
16. Given a word, how to find all anagrams in a dictionary.
17. Reverse a linked list.
18. How would you test your program?
19. Can you remove all if-statements in your program?

Real Interview Experience:

20. [http://www.mitbbs.com/article\\_t/JobHunting/32441025.html](http://www.mitbbs.com/article_t/JobHunting/32441025.html)
21. [http://www.mitbbs.com/article\\_t/JobHunting/32455661.html](http://www.mitbbs.com/article_t/JobHunting/32455661.html)