

Analyzing Algorithmic Patterns Based on Real Coding Interview Questions

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September 30, 2017

1 General Patterns for Analysis

1.1 Palindrome

General Structure of a Palindrome Algorithm

The following description is a general algorithm for solving the palindrome problem which is a common problem in Java and other languages. This approach can be used to solve numerous other problems by altering the inside of the loop.

Algorithm:

Set the left to index the leftmost/first character

Set right to index the rightmost/last character

while left is less than right

 compare the left and right characters

 if they are not equal then return false

 increment left

 decrement right

end of the while loop

return true