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Longest Palindromic Substring | Set 2

October 17, 2012

31 Comments | Filed under Strings

Given a string, find the longest substring which is palindrome. For example, if the given string is "forgeeksskeegfor", the output should be "geeksskeeg".

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An in-place algorithm for String Transformation

October 15, 2012

74 Comments | Filed under Strings

Given a string, move all even positioned elements to end of string. While moving elements, keep the relative order of all even positioned and odd positioned elements same.

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Longest Palindromic Substring | Set 1

October 14, 2012

30 Comments | Filed under Strings

Given a string, find the longest substring which is palindrome. For example, if the given string is "forgeeksskeegfor", the output should be "geeksskeeg".

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Print all permutations in sorted (lexicographic) order

October 7, 2012

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Given a string, print all permutations of it in sorted order. For example, if the input string is "ABC", then output should be "ABC, ACB, BAC, BCA, CAB, CBA".

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Lexicographic rank of a string   October 6, 2012

26 Comments | Filed under Strings

Given a string, find its rank among all its permutations sorted lexicographically. For example, rank of "abc" is 1, rank of "acb" is 2, and rank of "cba" is 6.

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Dynamic Programming | Set 17 (Palindrome Partitioning)   June 17, 2012

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Given a string, a partitioning of the string is a palindrome partitioning if every substring of the partition is a palindrome.

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Pattern Searching | Set 7 (Boyer Moore Algorithm – Bad Character Heuristic)   May 26, 2012

17 Comments | Filed under Strings

Given a text txt[0..n-1] and a pattern pat[0..m-1], write a function search(char pat[], char txt[]) that prints all occurrences of pat[] in txt[]. You may assume that n > m.

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Sorted Linked List to Balanced BST

Pattern Searching | Set 6 (Efficient Construction of Finite Automata)

May 2, 2012

10 Comments | Filed under Strings

In the previous post, we discussed Finite Automata based pattern searching algorithm. The FA (Finite Automata) construction method discussed in previous post takes $O((m^3)*NO\_OF\_CHARS)$ time. FA can be constructed in $O(m*NO\_OF\_CHARS)$ time.

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Searching for Patterns | Set 5 (Finite Automata)

April 24, 2012

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Given a text txt[0..n-1] and a pattern pat[0..m-1], write a function search(char pat[], char txt[]) that prints all occurrences of pat[] in txt[]. You may assume that n > m.

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Check whether two strings are anagram of each other

April 12, 2012

72 Comments | Filed under Strings

Write a function to check whether two given strings are anagram of each other or not.

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Check whether a given string is an interleaving of two other given strings

February 10, 2012

39 Comments | Filed under Strings

Given three strings A, B and C. Write a function that checks whether C is an interleaving of A and B.

Print all interleavings of given two strings

February 9, 2012

35 Comments | Filed under Strings

Given two strings str1 and str2, write a function that prints all interleavings of the given two strings. You may assume that all characters in both strings are different

Print all permutations with repetition of characters

February 8, 2012

19 Comments | Filed under Strings

Given a string of length n, print all permutation of the given string. Repetition of characters is allowed. Print these permutations in lexicographically sorted order

Length of the longest substring without repeating characters

December 2, 2011

63 Comments | Filed under Strings

Given a string, find the length of the longest substring without repeating characters. For example,

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affiszerv Your example has two 4s on row 3, that's why it...

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sandeep void rearrange(struct node *head) {...

Given a linked list, reverse alternate nodes and append at the end · 2 hours ago

Neha I think that is what it should return as, in...

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