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Print all possible words from phone digits

April 27, 2014

6 Comments | Filed under Strings

Before advent of QWERTY keyboards, texts and numbers were placed on the same key. For example 2 has "ABC" if we wanted to write anything starting with 'A' we need to type key 2 once.

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Printing Longest Common Subsequence

April 23, 2014

6 Comments | Filed under Strings

Given two sequences, print the longest subsequence present in both of them.

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Suffix Array | Set 2 (nLogn Algorithm)

April 10, 2014

5 Comments | Filed under Strings
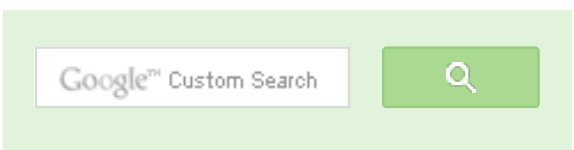
A suffix array is a sorted array of all suffixes of a given string.

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Rearrange a string so that all same characters become d distance away

March 7, 2014

13 Comments | Filed under Strings

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Given a string and a positive integer d. Some characters may be repeated in the given string.

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Recursively remove all adjacent duplicates

October 10, 2013

109 Comments | Filed under Strings

Given a string, recursively remove adjacent duplicate characters from string. The output string should not have any adjacent duplicates. See following examples.

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Find the first non-repeating character from a stream of characters

October 8, 2013

36 Comments | Filed under Strings

Given a stream of characters, find the first non-repeating character from stream. You need to tell the first non-repeating character in O(1) time at any moment.

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Dynamic Programming | Set 33 (Find if a string is interleaved of two other strings)

June 20, 2013

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

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Remove "b" and "ac" from a given string

May 19, 2013

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Given a string, eliminate all "b" and "ac" in the string, you have to replace them in-place, and you are only allowed to iterate over the string once. (Source Google Interview Question)

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Dynamic Programming | Set 29 (Longest Common Substring)

May 3, 2013

36 Comments | Filed under Strings

Given two strings 'X' and 'Y', find the length of the longest common substring. For example, if the given strings are "GeeksforGeeks" and "GeeksQuiz", the output should be 5 as longest common substring is "Geeks"

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Write your own atoi()

April 15, 2013

34 Comments | Filed under Strings

The atoi() function takes a string (which represents an integer) as an argument and returns its value.

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String matching where one string contains wildcard characters

April 11, 2013

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Given two strings where first string may contain wild card characters and second string is a normal string. Write a function that returns true if the two strings match.

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Count words in a given string

February 13, 2013

51 Comments | Filed under Strings

Given a string, count number of words in it. The words are separated by following characters: space (' ') or new line ('\n') or tab ('\t') or a combination of these.

Given a sequence of words, print all anagrams together | Set 2

October 25, 2012

15 Comments | Filed under Strings

Given an array of words, print all anagrams together. For example, if the given array is {"cat", "dog", "tac", "god", "act"}, then output may be "cat tac act dog god".

Given a sequence of words, print all anagrams together | Set 1

October 24, 2012

15 Comments | Filed under Strings

Given an array of words, print all anagrams together. For example, if the given array is {"cat", "dog", "tac", "god", "act"}, then output may be "cat tac act dog god".

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