



Loops, Arrays and Strings

Batch: Crux

1. Convert a decimal number to binary.
2. Given two arrays return their intersection.
3. Take a String input from user and print the String without printing the consecutive duplicates For example, for input "aabccba" print "abcba"
4. Return highest occurring char in the string.
5. Sort an array of strings based on length
6. Given an array of integers A and an integer x. Find pairs of elements in A which sum to x.
7. Implement Selection, Insertion and Bubble sorts.
8. Given an array, reverse it. You can't create another array.
9. Given an array of integers A and an integer x. Find triplets of elements in A which sum to x.

Bonus Problems

1. You are given two arrays. Find the sum of the two arrays and put the result in another array. e.g. if you are given [1,2,4] and [4,5,6] the output should be [5,8,0].
2. Write code to do basic string compression. e.g. Given aaabbccds print out a3b2c2ds.