Today’s task: Write a program to take input as X and find all the combinations of a given input digit at first place of X. Eg. X=125, if digit=2 then, output is, 215, 251. Eg. X=7438, if digit=3 then, output is, 3748, 3784, 3478, 3487, 3874, 3847..

Second task: Write a program to take input as String 'S' and remove nth occurrence of the given input character 'C', Eg. Input is :S= mississippi , C= I, n = 3, then output is : mississipp. If, C=s, n=4, then output is: missisippi

Third task: Write a program to take input as integer array A, and print all the elements which contains the given input digit D[0-9] . Eg. [ 12, 34, 48, 51, 72, 83, 28, 13, 65, 26, 33] , digit=2, then output is: 12, 72, 28, 26 and if digit=3, then 34, 83, 13, 33

Today tasks: 1) Write a program to take input as String sentence, and reverse the even position words and odd position words in the sentence. Eg. Input: he is good boy, Output: eh is doog boy, Output: he si good yob

2) Write a program to take input as number X, and generate all even numbers and odd numbers from X. Eg. X= 124, then evens [124, 142, 214, 412], odds [ 241, 421].

3) Write a program to take input as integer array, and pick all the anagram numbers. Eg. Input: [ 114, 84, 148, 141, 481, 198, 48, 411, 289, 320, 45, 121, 302] then Output is: 114, 141 and 114, 411 and 84, 48 and 148, 481 and 320, 302 etc are anagram numbers.

Todays tasks: 1) Write a program to take input as integer X and get the nearest prime number which is backward or forward from it. If distance is same from either sides then print both prime numbers. Eg. X= 14, then output is 13. If X= 6, then output is 5 and 7

2) Write a program to take input as String S, then find replace all the vowel characters with next vowel character. Eg. S= teaching then output : tiechong

3) Write a program to take input as array of floating point numbers and and pick out all the numbers which have same precision length into precision sets. Eg. [ 1.1, 2.45, 34.85, 113.1, 12.492, 2.28, 45.9, 12.881 ] then output is: [1.1, 113.1, 45.9], [ 2.45, 34.85, 2.28], [ 12.492, 12.881]

3) Write a program to take input as number and check the number is a Strong number or not. Eg. 145= 1!+4!+5!= 145.

2) Write a program to take input as array of numbers of +ve,-ve and including zeroes, and arrange numbers in a order in which the frequency count of +ves,-ves and zeroes. Eg. [ -2, 12, -34, 0, 11, 24, 0, -65, -1, 14, 0, 18, 25] then, the order is: 12, 11, 24, 14, 18, 25, -2, -34, -65, -1, 0, 0, 0

Todays task: 1) Write a program to take input as String sentence and sort the sentence in sorting order according to thier highest consonant count, is same count occurs print in order in which they have appeared. Eg. I love lendi college. Then: college lendi love I

Todays tasks: Task-1: Write a program to take input as number and get the nearest perfect square to it , from either of the sides. Eg. N= 189 then, output is: 196, if N= 36, then output is: 25.

Task-2: Write a program to take input as string and sort characters by removing all duplicates except last occurence of that character and print. Eg. S= engineering then, output is: ering, if S= mississippi, then output is: mspi.

Task-3: Write a program to take input as integer array and pick the number between two boundary digits of each number. if not print the same number Eg. [ 7, 214, 13, 3589, 2, 387, 43871, 19, 954, 1229] then output is [ 7, 1, 13, 58, 2, 8, 387, 19, 5, 22].

3) Write a program to take input as positive integer number N and return the minimum number K, such that N can be represented as K integer squares.

Example

9 --> 1 (9 = 3^2)

8 --> 2 (8 = 2^2 + 2^2)

15 --> 4 (15 = 3^2 + 2^2 + 1^2 + 1^2)

45 --> ?

2) Write a program to take input as array of integers, find the closest pair with a sum which equals to a given integer. For example, for A= {1, 7, 5, 3, 9, 6} and N=10. The pairs are {7, 3}, {1,9}. But the closest pair is {7,3} , because difference between them is 4, than difference b/w 1,9 is 8.

1) Write a program to take input as string and find the longest possible even palindrome (length of palindrome is even) from it.

Eg:

Input: abcicbbcdefggfed

Output: defggfed (length is 8)

Available palindromes are

1) bcicb - has odd length

2) cbbc - even length

3) defggfed - longest palindrome with even length