1.Given two arrayslist. retrieve the odd position elements form first input and even position elemetns from second list. put it into the new arraylist at the same positions from where they are retrieved from.(consider 0th position as even position, and two lists are of same size)

input1:{12,1,32,3}

input2:{0,12,2,23}

output:{0,1,2,3}

2. Retrieve the odd numbers till given input number. add and subtract it consecutively and return the result.

Input:9

Output:1+3-5+7-9=-3

3. Given date in dd-MM-yyyy format.return the month in full name format(January)

input:"23-01-2012"

output:January

4. Two dates are given as input in "yyyy-MM-dd" format. Find the number of months between the two dates

input1:"2012-12-01"

input2:"2012-01-03"

output:11

5.Retrieve the palindorme-true number set from given number limit and return the sum

input1:90 input2:120

logic:99+101+111

output:311

6.accept a string and find if it is of date format "dd/mm/yyyy".

input:01/13/2012

output:false

7. Get a integer array as input. Find the average of the elements which are in the position of prime index

input:{1,2,3,4,5,6,7,8,9,10}

logic:3+4+6+8(the indeces are prime numbers)

output:21

8.Get two integer arrays as input. Find if there are common elements in the arrays. find the number of common elements.

input1: {1,2,3,4}

input2: {3,4,5,6}

output: 4(3,4,3,4)

9.Find if a given pattern appears in both the input strings at same postions.

input1: "hh--ww--"

input2: "rt--er--"

output: true(false otherwise)

10. Check whether a given string is palindrome also check whether it has atleast 2 different vowels

input: "madam"

output: false(no 2 diff vowels)

11. Find no of characters in a given string which are not repeated.

input: "hello"

output: 3

12. Find the number of days between two input dates.

13.Write a program to accept two dates and find the difference.

14.validate a password

there should be atleast one digit

there should be atleast one of '#','@' or '$' .

iii)the password should be of 6 to 20 characters

there should be more uppercase letter than lower case.

should start with an upper case and end with lower case

15.validate the ip address in the form a.b.c.d

where a,b,c,d must be between 0and 255

if validated return 1 else return 2

16. find the three consecutive characters in a string. if the string consists any three

consecutive characters return 1 else return -1

like AAAxyzaaa will return true.

17.String encrption. replace the odd-index character with next character(if it is 'z' replace with 'a'..if 'a' with 'b' as such), leave the even index as such. returmn the encrypted string.

18.GIVEN A STRING 555-666-1234

DISPLAY AS 55-56-661-234?

19. Return the number of days in a month, where month and year are given as input.

20. Retrieve the non-prime numbers within the range of a given input. Add-up the non-prime numbers and return the result.