C# Assessment-1 questions

1) Electricity Bill:

   String Input1="AAAAA12345";

   String Input2="AAAAA23456";

   int Input3=4;

   UserMainCode(Input1,Input2,Input3)

   Logic : Output1=(Input1-Input2)*Input3

2) Count vowels in a given string
3) Roman to decimal   ?????
4) Calculation of discount
   Double Input1=Amount of purchase
   Char Input2 will be 'T' for Tv and 'M' for music player
   Discount rates will be given in question itself
5) Sum of cube of 'n' natural numbers   /////
6) Display the length of the smallest string in given string array   /////
7) Alternate addition and subtraction of integers from a given array   ///??
8) Count all the characters from a given string array   /////
9) "CTS-123". Keep CTS- as constant and change 123 alone   ?????
10) "CTS-HYD-1234"➔Change locations alone like "CHN-BAN" etc ..   ?????
11) Regular expression to check pattern "hi-how-are-you"
12) Remove duplicates elements from integer array and sum all even numbers   ///??
13) Find the day of the given date
14) Find diff between 2 dates
15) Display 1 if there are all 5 vowels in alphabetical order   /////
16) Student mark -> input- 5 integers
    if avg>=60 ->First class
    if avg>=50 &&avg<=59 ->Second Class
    if avg>=40 &&avg<=49 -> Third Class
    less than 40 -> failed
17) Find the maximum length in the given string array   /////
    input-> string array
    output->int
18) Find the maximum digit in the integer   /////
    ex:5678
    o/p=8
19) Ip address   ?????
20) Find the repeated Element in the integer array and make that in ascending order /////
21) Find the odd numbers count in the integer array   /////
    ex:{1,2,3,5}
    o/p: 3
22) Program to count the number of vowels in the given string. If the string contains any special
    character the return -1
23) Reverse the given string and store the output in the another string   /////
    Eg: Hai hello
    Output=iaHolleh

24) Adding years to date. If date format is wrong return -1. If years given is negative return -2   ///??
25) Calculate VAT%
    Input= character and integer input
    Eg:'M' ,10
26) Calculate Sales commission under various conditions based on salary
    Eg:
    If(salary<15000)
    Commission=8% of salary
27) Calculate take home salary where basic salary, PF amount and medical insurance will be given
28) SIMPLE INTEREST:
    pnr/100
29) DICE problem
30) SUM OF ODD NO'S in a no.
    if sum is odd then 1
    else -1
31) str1=arun
    str2=saran
    reverse second string nd insert into the middle f first string   /////
32) xml first name nd last name
33) phone bill
34) Find the common elements in the given array and sum the common elements
    Ex input1[]={1,2,3,4,5};
    Input2[]={2,3,6,7};
    Int output=5
35) Change the nth element in the given string to '*'
        Intput1=Hi Are You Fine Ram
        Input2=5
        Input3=hi are you fine ***(it shld b in lower)   ///??
36) In the given list find the elements greater than 5
        List<int32>input1
        List<int32>output1
        B.L if any elements in the array is greater than 500
37) Ship scenario
38) Flower scenario
39) If input1=1-add the input1 and input2.
    If input1=2 –subtract input1 and input2.
    If input1=3-multiple input1 and input2
    If input1=4-divide inpu1 and input2.
40)take the middle two elements from an even length string.   /////
    foreg.confir
    output=nf.
41) Find common elements in two lists and order them in ascending order.
42) Write a method to add digits from a string .   ///??
    eg.app123e
    output=1+2+3=6
43) If the first letter of the names mentioned in the list match with the char given then   ?????
    display it as for eg
    input list(apple,ant,lion)
    char input='a'.
output:"apple_2","ant_2"
44) Health care scenario
    (int input1,char input2,char input3,int input4)
    Input2-MALE/FEMALE INPUT3-CITY/VILLAGE INPUT4-25 to 35

For eg]
If(input1 is 1 ,input2 is 'M',input3 is 'c',input4 is age)
Then money allotted should not be more than 1,00,000
45)reverse a number
eg : 123 ==> 321

46)To find a input2 and input3 is present in input1 . also check if input3 is after input2.
eg:
input1:todayisc#exam
input2:is
input3:exam   ///??
47)datetime format - dd/MM/yyyy
eg: add 1 year to the given date and find the DAY of that date
48)scenario - ac and non-ac room
49)input1 is a string. if any character is repeated consecutively 3 times... give the count.
eg: abcdddefggg
output1= 2
eg:ertyyyrere
output1=1
50) check whether all the characters in the given input is distinct .if a char is repeated. .
remove.
eg : hi this is my book   ///???
output : hi ts my bok
51) check whether the person is eligible to vote
52)sum of square of even numbers
53)Find the number of distinct characters in a given string   /////
Eg: Hello World
54)Add days to date
55)Find common elements from 2 given list
56)input1: stock in hand
input 2: customer order quantity
input 3: credit (true or false)
output: Supply, Remaining will be delivered later, cannot supply,...
57)BMI scenario
formula: weight in kgs/(height in mtrs*height in mtrs)
if(bmi<18.5)
 output1="underweight"
if(bmi>=18.5 &&bmi<24.5)
op=normal weight
if(bmi>24.5 &&bmi<29.9)
op=overweight
if(bmi>30)
op=obesity
58)Student marks Scenario
59)find the common elements that is divisible by 3 in three given list and sort it in desc order
60)find the elements in list   that is greater than input1 and sort it in desc order
61)checking time format ('hh:mm am' or 'hh:mm pm')
62) count the number of characters in the string arrar
  eg:i/p: {apple,ball,bat}
    o/p: 12
63) Check whether the string array contains only numeric values
  eg: if i/p:{23,24.5"}   =>o/p:1
  i/p:{"23","one"} =>o/p:-1

64) Extract the extension of a file name
   eg: i/p:"File.dat" => o/p: "dat"
65) count the vowels in the string array in case there is a tie display the first occurance of the given string
   eg: "sun rises in the east" => o/p: rises
66) Validate a password
       Bussiness Rules:
       *should not start with digit or spl character
       *should not end with splchararcter
       *must contain any of these three atleastonce('@','#','_')
       *must contain atleast one letter
       *must contain atleast one digit
       *length should be minimum 8 character
       eg:i/p:"ashok_23" o/p:1
         i/p:"1991_23" o/p:-1
67) From the given string form a new word
   inputs(string input1 and int input2)
   eg: i/p:"california",3 => o/p= "calnia"
68) Count the character. (For eg:count the char o)
         i/p:Hello Welcome TO world of cognizant
         o/p:6
69) Fibonacci series
         Eg:i/p=5
         o/p:7(0+1+1+2+3)
70) Check whether the vowels are in correct order in the given string.
71) Initial
         Eg:
         i/p: john Williams
         o/p: Williams ,j
72)find common elements in 2 given lists and store it in the output list.
73)car parking scenario:2 inputs are given as string that should be converted to datetime format and calculate the hours and calculate the charges for car parking.
74)voting scenario.
75)color code format checking using regex