Please refer the Following websites for Question. and all Questions from different websites are solved in C Sharp only.

* <http://www.w3resource.com/csharp-exercises/>
* http://codingbat.com/java
* https://www.hackerrank.com/domains/tutorials/30-days-of-code
* <http://techbizzers.blogspot.in/2015/07/java-best-programs_43.html?view=mosaic>

The Questions are

1.Find the number of vowels in a given string                
                Input1:”Newyork”  
               Output1:2  
                Hint: irrespective  of case  
  
  
2.Find the sum of maximum and minimum number from a given input array  
                Input:{19,17,12}  
                Output:31  
  
3.Find the number of words are of given length  
                Input1:{“aa”,”b”,”cc”,”ddd”}  
                Input2:2  
                Output1:2  
  
4.Find the sum of the numbers in the given input string array  
                Input{“2AA”,”12”,”ABC”,”c1a”)  
                Output:6 (2+1+2+1)  
                Note in the above array 12 must not considered as such it must be considered as 1,2  
  
5.Create a program to get the hashmap from the given input string array where the key for the hashmap  
  is first three letters of array element in uppercase and the value of hashmap is the element itself  
                Input:{“Goa”,”kerala”,”gujarat”}                                               [string array]  
                Output:{{GOA,goa},{KER,kerala},{GUJ,Gujarat}}               [hashmap]  
  
  
-----------------------------------------------------(VIKAS)  
6.String[] input1=["Vikas","Lokesh",Ashok]  
  
                expected output String: "Vikas,Lokesh,Ashok"  
  
7.Email Validation  
  
String input1="test@gmail.com"  
                1)@ & : should be present;  
                2)@ & . should not be repeated;  
                3)there should be four charcters between @ and .;  
                4)there shouls be atleast 3 characters before @ ;  
                5)the end of mail id shoulsd be .com;  
  
8. Square root calculation  
               ((x1+x2)\*(x1+x2))+((y1+y2)\*(y1+y2))  
                o/p should be rounded of to int;  
  
9.Calculate wether given year as loeap or not;  
  
  
------------------------------------------------------------(SEKHAR)  
  
10.Count of words in a given string  
  
  
11.I/P hashmap<String String>{"ram:hari","cisco:barfi","honeywell:cs","cts:hari"};  
       i/p 2="hari";  
       o/p string[]={"ram","cts"};  
  
12. (AUB)-(A intersection B)  
                o/p in string array;  
  
13:  convert decimal to binary;  
     o/p is int;  
  
14: input 1[]={"abc","da","ram"};  
                input 2=3;  
                o/p= string ="c$m";  
  
-----------------------------------------------------------------DIWAKAR  
  
16. INPUT1= helloworld  
    INPUT2= 2  
    O/P= helwrd;  
  
17: QUESTION NO 40 AND 41 IN BANGLORE DUMS;  
  
-------------------------------------------------------------RAJESH  
  
18.String[] input={"100","111","10100","10","1111"}  
                output=2;count strings having prefix"10" but "10" not included in count  
                String[] input={"01","01010","1000","10","011"}  
                output=3; count the strings having prefix"10","01" but "10","01" not included  
  
  
19.ArrayList input={"a","d","c","b"};  
  String[] output={"a","b","c","d"};  
  
  
20.input1=1,inoput2=2,onput3=3 --- output=6;  
  input1=1,inoput2=13,onput3=3 --- output=1;  
  input1=13,inoput2=2,onput3=8 --- output=8;  
                if value equal to 13,escape the 13 value as well as next value to 13.  
                sum the remaining values  
  
  
21.input="hello"  
  output="hlo"; Alternative positions...  
  
22.input=9;  
                output=1+3+5+7+9=25  sum of odd number within the input range:  
------------------------------------------------------------------------------------MANIVEL  
  
23.       Input1=”I love my country”;  output---à  “I Love My Country”.  
  
24.       Input1=”Hello World”;  output-------à  “dello WorlH”.  
  
25.       Collect no’s  frm  list1 which is not present in list2 & Collect no’s  frm  list2  
                which is not present in list1 and store it in ---> int[] output1.  
                ex: input1={1,2,3,4}; input2={1,2,3,5};  
                    output1={4,5};  
  
  
26.String array will be given..if a string is Prefix of an any other string in that  array means count..  
  
  
----------------------------------------------------------------------------------RUCHIRA  
27)count the number of words in the string  
                Input string="i work in cognizant.";  
                output=4;  
28)Given input="24/07/1990";  
                String output=tuesday;  
                output should be the day in the particular month and it should be in lowercases.  
29) int[] input={2,1,4,1,2,3,6};  
                check whether the input is the sequence of 1,2,3. if so-  
                output=true;  
                int [] input={12,1,3,4,5,6};  
                output=false  
  
30) String[] input1={"acd","ert","wtwggb","ert","erryh"};  
                int input2=3;  
                count the elements whose length is equal to input2;  
                int output=3("acd","ert","ert");  
  
31) Hashmap input1={{"Manoj":"RWT"},{"deepu":"RTEY"},{"Ankit":"RWT"}}  
                String input2="RWT";  
                String[] output={"Manoj","Ankit"}  
                strore the key values of the hashmap in the output string[] corresponding to the given input2.  
  
---------------------------------------------------------------------------------------SIVANAND  
32)i/p 1="HelloWorld"  
  i/p 2=2;  
  o/p= Helwrd;  
  
  
33) check whether the string has vowels and count the no of vowels in the string.  
   i/p=ASDFE;  
   o?p=2;  
  
34) if first char of string is a number then false else true.  
    12DFGR=false;  
    SDFG=True;  
  
35)  input String[]={kerala,tamilnadu,goa}  
     o/p = HashMap (KER,kerala);  
                   (TAM,Tamilnadu);  
                   (GOA,goa);  
------------------------------------------------------------------------------------SRIKANTH,NANDHINI,AISHWARYA,BHARANI  
36.input-- String input1="AAA/abb/CCC"  
          char   input2='/'  
   output-- String[] output1;  
           output1[]={"aaa","bba","ccc"};  
   operation-- get the strings from input1  using stringtokenizer  
                     reverse each string  
              then to lower case  
             finally store it in output1[] string array  
  
37. input-- String[] input1={10,101010,1111}  
                    String input2=10  
   output-- String output1  
            output1=1  
  
   operation-- for how many strings input2 mathces as a prefix  
                                of each string in input1  
  
  
38. input-- String input1="Lily"  
           int input2=2  
  
   output-- String output1="LilyLily"  
  
39. input---input1=1;  
                   input2=4;  
                    input3=1;  
   output1=4;  
  
                operation--- print the element which is not repeated  
                      if all the inputs r different sum all inputs  
input---input1=1;  
                   input2=2;  
                    input3=3;  
   output1=6;  
  
40. input1-List1-{apple,orange,grapes}  
    input2-List2-{melon,apple,mango}  
   output={mango,orange}  
                operation-- In 1st list remove strings starting with 'a' or 'g'  
                                    In 2nd list remove strings ending with 'm' or 'e'  
                     Ignore case  
                    return in string array  
  
41.input1- Hello\*world  
   output-- boolean(true or false)  
  
   operation-- if the character before and after \* are same return true else false  
               if there in no star in the string return false  
               Ignore case  
  
42. input--String input1="xaXafxsd"  
          String output1="aXafsdxx"  
  
    operation-- remove the character "x"(only lower case) from string and place at the end  
  
43.input-- input1=1;  
          input2=2;  
          input3=3;  
  
44.  String input1="Today is monday";  
                int     output1=3  
  
       ---count no of tokens in the string  
  
45. Validate the age  
                  String  input1="26"  
          boolean output1  
   --1st character in input1 should be digit  
   --input1 sholud be greater than zero  
   --age should be between 21 and 45 (inclusive 21 and 45)  
  
46. HashMap<String,Integer> h1={“abc”:50,”efg”:70};  
                if the mark is less than 60 then put the output is the  
                HashMap<String,String> h2={“abc”:”fail”,”efg”:”pass”}  
  
47  givev three input1,input2,input3; eg=1,2,3  
                Output=6 if the input doesn’t contain 13  
   if input1=13  
      input2=2  
      input3=5     ouput=5  
  
  if input1=11  
      input2=13  
      input3=5     ouput=11  
   --number 13 and next to that element sholud skip and do the sum for the remaining elements  
  
----------------------------------------------------------------------------------------------------LITHA  
  
48. check if the no of characters in a string greater than 3 and if there are digits output=false;  
    check  if length of word is 3 and there are no digits then = true  
  
49. String i/p=2012;  
    sTRING I/P2=5  
    IF EXPERIENCE IS GREATER THAN INPUT 2 THEN TRUE;  
  
50 IF GIVEN ARRAY CONTAINS 9 THEN O/P IS TRUE;  
  
  
51: string1[]={a,b,c}  
    string2[]={b,c,d}  
o/p=2  
if repeted elements are there count only once.  
  
---------------------------------------------------------------------------------------SWAPNA  
  
52. in an integer array, in the first four numbers if 9 is present return true else false.  
  
53. input string="hello", n=2  
   output: lolo  
  
54. count the number of occurences of substring in a string  
  
  
55. prove wether an number is ISBN number or not  
    input="0201103311"  
        ISBN number:  sum=0\*10+2\*9+0\*8+1\*7+1\*6+0\*5+3\*4+3\*3+1\*2+1\*1  
                                       sum%11==0 then it is ISBN number  
  
56. experience and year of passing are given in string format. first calculate the difference of  
current year and year of pass. if it is greater the=an or equal to experience return true.  
  
------------------------------------------------------------------------------------  
  
  
57.  
input=xxhixx (string)  
output=hixxx (string)  
  
input=xxXXhixx  
output=XXhixxxx  
All the small 'x' must be moved to the end of the string.  
  
58.  
input1=23 (int)  
input2=2  (int)  
input3='\*' (char)  
output=46   (int)  
  
Input3 can be any of these '+','-''\*','/','%'. Perform the calculator operations.  
  
59.  
input1="hello world is good world" (string)  
input2="world" (string)  
output=2  
  
Count the number of occurance of the input2. The check must be case sensitive.  
  
60.  
input={"a","c","b","d","e"} (Arraylist)  
  
ouput={"a","b","c","d","e"} (string array)  
Get the input and convert it to string array. The output array should be sorted.  
  
61.  
input1="05-02-1988" (string)  
input2="23-04-2013" (string)  
  
ouput=02/05/1988  
Find which date is the oldest.  
Input should be DD-MM-yyyy format and  
the ouput should be in MM/DD/yyyy format.  
  
  
----------------------------------------------------------------------------------PRAKASH  
62.  
input1=23 (int)  
input2=2  (int)  
input3='\*' (char)  
output=46   (int)  
  
Input3 can be any of these '+','-''\*','/','%'. Perform the calculator operations.  
  
63.  
Check whether the first char is digit or not.  
input=java (string)  
output=False (boolean)  
  
64.  
input={"a","c","b","d","e"} (Arraylist)  
  
ouput={"a","b","c","d","e"} (string array)  
Get the input and convert it to string array. The output array should be sorted.  
  
65.  
input1={1,2,3,4} (int array)  
input2={1,5,2,6} (int array)  
output=2 (int)  
Count the number of common elements in both the array.  
  
66.  
input=("ram":80.5,"prakash":70.4)  (hashmap<string,float> )  
output=("ram":PASS,"prakask":PASS)  (hashmap<string,string>)  
if float value is above 60 then PASS else FAIL.