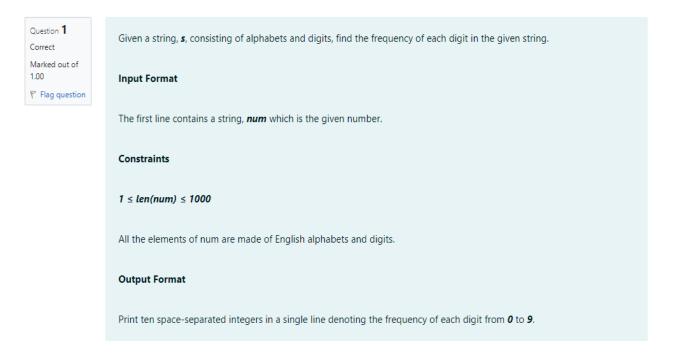
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### Week-10

## Question 1:



```
#include<stdio.h>
#include<string.h>
int main()

{
    char str[1000];
    char num[10]="0123456789";
    scanf("%s",str);
    for(int i=0;i10;i++)

    int c=0;
    for(int j=0;str[j]!='\0';j++)

    if(str[j]==num[i])
    c++;
    }
    printf("%d ",c);
}
```

	Input	Expected	Got	
~	a11472o5t6	0 2 1 0 1 1 1 1 0 0	0 2 1 0 1 1 1 1 0 0	~
~	lw4n88j12n1	0210100020	0 2 1 0 1 0 0 0 2 0	~
~	1v888861256338ar0ekk	1 1 1 2 0 1 2 0 5 0	1 1 1 2 0 1 2 0 5 0	~

# Question 2:

Question **2**Correct
Marked out of 1.00

₱ Flag question

Today, Monk went for a walk in a garden. There are many trees in the garden and each tree has an English alphabet on it. While Monk was walking, he noticed that all trees with vowels on it are not in good state. He decided to take care of them. So, he asked you to tell him the count of such trees in the garden.

Note: The following letters are vowels: 'A', 'E', 'I', 'O', 'U', 'a', 'e', 'i', 'o' and 'u'.

#### Input:

The first line consists of an integer T denoting the number of test cases.

Each test case consists of only one string, each character of string denoting the alphabet (may be lowercase or uppercase) on a tree in the garden.

#### Output:

For each test case, print the count in a new line.

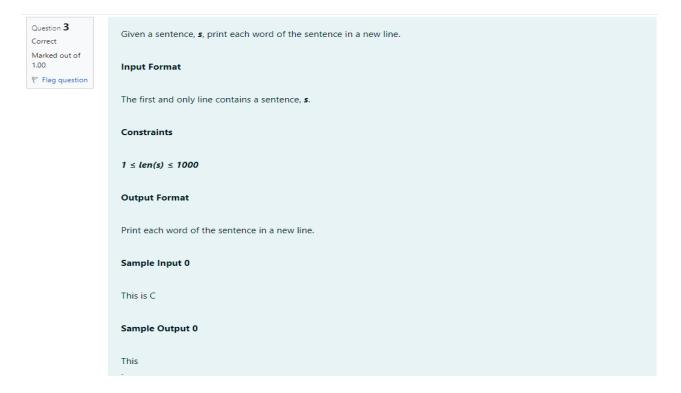
#### Constraints:

 $1 \le T \le 10$  $1 \le length of string \le 10^5$ 

```
Answer: (penalty regime: 0 %)
        #include<stdio.h>
        #include<string.h>
       int main()
           int t;
scanf("%d",&t);
   5
           for(int i=0;i<t;i++)
               char str[1000];
               scanf("%s",str);
   10
                char vow[10]={'a','e','i','o','u','A','E','I','O','U'};
   13
                for(int i=0;i<10;i++)
   14
   15
                    for(int j=0;j<strlen(str);j++)</pre>
   17
                        if(str[j]==vow[i])
   18
  19
                             C+=1;
   20
   21
  22
               printf("%d\n",c);
   23
   24
   25
```

/ 2	2	2	~
nBBZLaosnr	1	1	
JHkIsnZtTL			
✓ 2	2	2	~
nBBZLaosnr		1	
JHkIsnZtTL			

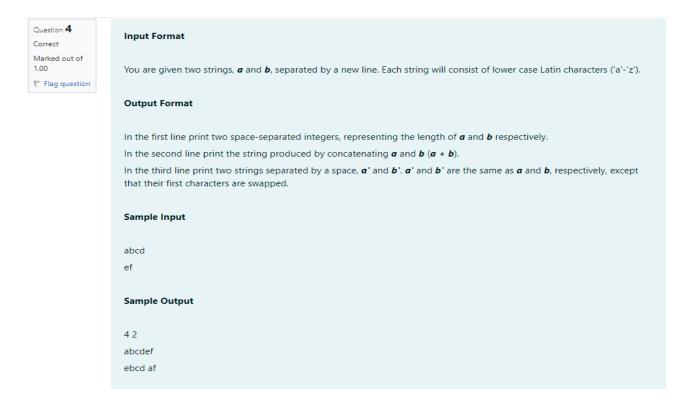
# Question 3:



```
Answer: (penalty regime: 0 %)
        #include<stdio.h>
         #include<string.h>
        int main()
            int t;
scanf("%d",&t);
for(int i=0;i<t;i++)</pre>
    5
    8
                  char str[1000];
    9
                 cndr surpasses,
scanf("%s",str);
char vow[10]={'a','e','i','o','u','A','E','I','O','U'};
   10
   11
   12
                  for(int i=0;i<10;i++)
   13
   14
                       for(int j=0;j<strlen(str);j++)</pre>
   15
   16
                           if(str[j]==vow[i])
   17
   18
   19
                                C+=1;
   20
   21
   22
                  printf("%d\n",c);
   23
   24
   25 }
```

, ,	,	2	2	,
/ 2		2		~
nBBZLac		1	1	
JHkIsni	tTL			
/ 2		2	2	~
				~
nBBZLad		1	1	
JHkIsn	tTL			
JHKISHA				

# Question 4:



```
Answer: (penalty regime: 0 %)
      #include<stdio.h>
       #include<string.h>
   3
      int main()
   4 * {
   5
           char str1[100];
           char str2[100];
   6
           scanf("%s\n%s",str1,str2);
   8
          int L1=strlen(str1);
   9
           int L2=strlen(str2);
          printf("%d %d\n",L1,L2);
  10
          printf("%s%s\n",str1,str2);
  11
  12
          char temp;
  13
           temp=str2[0];
          str2[0]=str1[0];
  14
  15
           str1[0]=temp;
           printf("%s %s",str1,str2);
  16
  17
```