WEEK 10

0 2 1 0 1 1 1 1 0 0

Explanation 0

In the given string:

·   *1* occurs two times.

·   *2, 4, 5, 6* and *7* occur one time each.

The remaining digits *0, 3, 8* and *9* don't occur at all.

Answer: (penalty regime: 0 %)

```c
1  #include <stdio.h>
2  #include <string.h>
3  int main(){
4      char num[1000];
5      int freq[10]={0};
6      scanf("%s",num);
7      for(int i=0;i<strlen(num);i++){
8          if(num[i]>='0' && num[i]<='9'){
9              freq[num[i]-'0']++;
10         }
11     }
12     for(int i=0;i<10;i++){
13         printf("%d ",freq[i]);
14     }
15     return 0;
16 }
```

	Input	Expected	Got	
✓	a11472o5t6	0 2 1 0 1 1 1 1 0 0	0 2 1 0 1 1 1 1 0 0	✓

Explanation

In test case 1, a and o are the only vowels. So, count=2

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main(){
    int t;
    scanf("%d",&t);
    while(t--){
        char str[100000];
        int count=0;
        scanf("%s",str);
        for(int i=0;str[i]!='\0';i++){
            char c=str[i];
            if((c=='a')||(c=='e')||(c=='i')||(c=='o')||(c=='u')||(c=='A')||(c=='E')||(c=='I')||(c=='O')||(c=='U'))
            count++;
        }
        printf("%d\n",count);
    }
    return 0;
}
```

	Input	Expected	Got	
✓	2	2	2	✓
	nBBZLaosnm	1	1	

This

is

C

Explanation 0

In the given string, there are three words ["This", "is", "C"]. We have to print each of these words in a new line.

Answer: (penalty regime: 0 %)

```c
1  #include <stdio.h>
2  int main(){
3      char s[1000];
4      scanf("%[^\n]s",s);
5      for(int i=0;s[i]!='\0';i++){
6          if(s[i]!=' ')
7          printf("%c",s[i]);
8          else
9          printf("\n");
10     }
11     return 0;
12 }
```

	Input	Expected	Got	
✓	This is C	This is C	This is C	✓
✓	Learning C is fun	Learning	Learning	✓