

WEEK - 10

REC-CIS

MAHALAKSHMI S 2024-CSE M2

- > Assessment-12-Recursive Functions
- > Week-13-Passing Arrays and Strings to Functions
- > Assessment-13-Passing Arrays and Strings to Functions
- > Week-14-Structures and Unions
- > Week-15-Pointers

Week-10-Character Arrays and Strings

Coding

Done

Assessment-10-Character Arrays and Strings

```
1 #include<stdio.h>
2 int main(){
3     char str[1000];
4     scanf("%s", str);
5     int hash [10] = {0, 0, 0, 0, 0, 0, 0, 0, 0, 0};
6     int temp;
7     for(int i = 0; str[i] != '\0'; i++){
8         temp = str[i] - '0';
9         if(temp <= 9 && temp >= 0){
10             hash[temp] ++;
11         }
12     }
13     for(int i = 0; i <= 9; i++){
14         printf("%d ", hash[i]);
15     }
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	✓
✓	lw4n88j12n1	0 2 1 0 1 0 0 0 2 0	0 2 1 0 1 0 0 0 2 0	✓
✓	1v88886l256338ar0ekk	1 1 1 2 0 1 2 0 5 0	1 1 1 2 0 1 2 0 5 0	✓

Passed all tests! ✓

```

1 #include<stdio.h>
2 int main(){
3     int t;
4     scanf("%d", &t);
5     while(t--){
6         char str[100000];
7         int count = 0;
8         scanf("%s", str);
9         for(int i = 0; str[i] != '\0'; i++){
10             char c = str[i];
11             if((c == 'a') || (c == 'e') || (c == 'i') || (c == 'o') || (c == 'u') || (c == 'A') || (c == 'E') || (c == 'I') || (c == 'O') || (c == 'U')){
12                 count++;
13             }
14             printf("%d\n", count);
15         }
16     }

```

	Input	Expected	Got	
✓	2 nBBZLaosnm JHkIsnZtTL	2 1	2 1	✓
✓	2 nBBZLaosnm JHkIsnZtTL	2 1	2 1	✓

Passed all tests! ✓

```

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 }

```

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

Passed all tests! ✓

```

1  #include<stdio.h>
2  int main(){
3      char str1[10], str2[10], t;
4      int i = 0, j = 0;
5      int count1 = 0, count2 = 0;
6      scanf("%s", str1);
7      scanf("%s", str2);
8      while(str1[i] != '\0'){
9          count1++;
10         i++;
11     }
12     while(str2[j] != '\0'){
13         count2++;
14         j++;
15     }
16     printf("%d %d\n", count1, count2);
17     printf("%s%s\n", str1, str2);
18     t = str1[0];
19     str1[0] = str2[0];
20     str2[0] = t;
21     printf("%s %s", str1, str2);
22 }

```

	Input	Expected	Got	
✓	abcd ef	4 2 abcdef ebcd af	4 2 abcdef ebcd af	✓

Passed all tests! ✓