

WEEK - 11

REC-CIS

MAHALAKSHMI S 2024-CSE M2

Week-11-String Handling Functions

Coding

Done

Assessment-11-String Handling Functions

```
1 #include<stdio.h>
2 #include<string.h>
3 int main(){
4     char str1[1000000], str2[1000000];
5     int flag = 1;
6     scanf("%s", str1);
7     scanf("%s", str2);
8     int a = strlen(str1);
9     int b = strlen(str2);
10    if( a == b){
11        for(int i = a - 1; i >= 0; i --){
12            while(str1[i] != str2[i]){
13                for(int j = 0; j <= i; j++){
14                    if(str1[j] < 'z')
15                        str1[j]++;
16                else{
17                    flag = 0;
18                    break;
19                }
20                if(flag == 0)
21                    break;
22            }
23        }
24    }
25    }
26    else
27        flag = 0;
28
29    if(flag == 0)
30        printf("NO");
31    else
32        printf("YES");
33 }
```

	Input	Expected	Got	
✓	abaca cdbda	YES	YES	✓

Passed all tests! ✓

```

1  #include<stdio.h>
2  #include<string.h>
3  int main(){
4      int n, flag = 0;
5      char temp;
6      scanf("%d", &n);
7      char words[n][14];
8      for(int i = 0; i < n; i++)
9          scanf("%s", words[i]);
10     char reverse[14];
11     for(int i = 0; i < n - 1; i++){
12         strcpy(reverse, words[i]);
13         int size = strlen(reverse);
14         for(int k = 0; k < size / 2; k++){
15             temp = reverse[k];
16             reverse[k] = reverse[size - k - 1];
17             reverse[size - k - 1] = temp;
18         }
19         for(int j = i + 1; j < n; j++){
20             if(strcmp(reverse, words[j]) == 0){
21                 flag = 1;
22                 break;
23             }
24         }
25         if(flag == 1)
26             break;
27     }
28     int len = strlen(reverse);
29     printf("%d %c", len, reverse[len / 2]);
30 }

```

	Input	Expected	Got	
✓	4 abc def feg cba	3 b	3 b	✓

Passed all tests! ✓

```

1 #include<stdio.h>
2 #include<string.h>
3 int main(){
4     int n;
5     scanf("%d", &n);
6     char res[n][21];
7     int rate[n];
8     for(int i = 0; i < n; i++){
9         scanf("%s", res[i]);
10        scanf("%d", &rate[i]);
11    }
12    int max = rate[0];
13    char ans[20];
14    strcpy(ans, res[0]);
15    for(int i = 1; i < n; i++){
16        if(rate[i] > max){
17            max = rate[i];
18            strcpy(ans, res[i]);
19        }
20        else if(rate[i] > max){
21            if(strcmp(res[i], ans) < 0)
22                strcpy(ans, res[i]);
23        }
24    }
25    printf("%s", ans);
26 }
```

	Input	Expected	Got	
✓	3 Pizzeria 108 Dominos 145 Pizzapizza 49	Dominos	Dominos	✓

Passed all tests! ✓

```

1 #include<stdio.h>
2 #include<string.h>
3 int main(){
4     int t;
5     scanf("%d", &t);
6     while(t--){
7         int flag = 1;
8         char s[1000000];
9         scanf("%s", s);
10        int k = strlen(s);
11        if(k == 10){
12            for(int i = 0; i < 10; i++){
13                if(s[i] == '0'){
14                    flag = 0;
15                    break;
16                }
17            }
18        }
19        else
20            flag = 0;
21        if(flag == 1)
22            printf("YES\n");
23        else
24            printf("NO\n");
25    }
26 }

```

	Input	Expected	Got	
✓	3	YES	YES	✓
	1234567890	NO	NO	
	0123456789	NO	NO	
	0123456.87			

Passed all tests! ✓