

Even Position Characters in Reverse Order

ID:5395

Solved By 2691 Users

A string S is passed as input. The program must print the characters present at the even positions of the string in reverse order.

Boundary Condition(s):

2 <= Length of String <= 1000

Input Format:

The first line contains the string S.

Output Format:

The first line contains the characters at even positions in reverse order.

Example Input/Output 1:

Input:
independent

Output:
ndeen

Example Input/Output 2:

Input:
computer

Output:
rtpo

Ambiar

C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     char a[1001];
7     scanf("%s",a);
8     int l = strlen(a),start;
9
10    if(l%2==0) start = l-1;
11    else start = l-2;
12
13    for(int i=start;i>=0;i-=2)
14    {
15        printf("%c",a[i]);
16    }
17
18    return;
19 }
```

Remove First X and Last Y Characters

ID:5393

Solved By 2540 Users

A string S and two integers X and Y are given as input. The program must print the string after removing the first X characters and last Y characters.

Boundary Condition(s):

2 <= Length of String <= 1000

Input Format:

The first line contains the string S, X and Y separated by space(s).

Output Format:

The first line contains the string after removal of characters.

Example Input/Output 1:

Input:

marshmallow 2 3

Output:

rshmal

Example Input/Output 2:

Input:

geography 3 1

Output:

graph

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C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     char a[1001];int x,y;
7     scanf("%s %d %d",a,&x,&y);
8
9     for(int i=x;i<strlen(a)-y;i++)
10 {
11     printf("%c",a[i]);
12 }
13 return;
14 }
```

Custom test case has passed.

SUCCESS

Alphabet Adjacent Pairs in Sequence

ID:5392

Solved By 2257 Users

Accept a string *S* which contains only lower case alphabets and print the count of instances *C* where in a pair of adjacent characters, the right character is next to the left character in the original alphabetical sequence.

Boundary Condition(s):

1 <= Length of *S* <= 1000

Input Format:

The first line contains *S*.

Output Format:

The first line contains the integer value *C*

Example Input/Output 1:

Input:

abegh

Output:

2

Explanation:

ab gh are the two instances.

Example Input/Output 2:

Input:

abcdef

Output:

5

Explanation:

ab bc cd de ef are the five instances.

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C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     int count=0;
7     char a[1001];
8     scanf("%s",a);
9     for(int i=0;i<strlen(a)-1;i++)
10 {
11     if((a[i+1])==(a[i]+1)){
12         count++;
13     }
14 }
15 printf("%d",count);
16 return;
17 }
```

Custom test case has passed.

SUCCESS

You have executed a custom test case. Kindly un-check "Run with a custom test case"

Remove S2 Characters from S1

ID:5398

Solved By 2014 Users

Two string values S1 and S2 are passed as input to the program. The program must remove all the characters that are present in S2 from S1 and print the resulting string value as the output.

Boundary Condition(s):

1 <= Length of S1 <= 1000

1 <= Length of S2 <= 1000

Input Format:

The first line contains S1.

The second line contains S2.

Output Format:

The first line contains the string value.

Example Input/Output 1:

Input:

apple

pan

Output:

le

Example Input/Output 2:

Input:

economical

mango

Output:

ecidl

Ambia

C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     char a[1001],b[1001];
7     scanf("%s\n%s",a,b);
8     int flag;
9     for(int i=0;i<strlen(a);i++){
10         flag=0;
11         for(int j=0;j<strlen(b);j++){
12             if(a[i]==b[j]) flag=1;
13         }
14         if(flag==0) printf("%c",a[i]);
15     }
16     return;
17 }
```

Custom test case has passed.

SUCCESS

Longest Continuous Character Count

ID:5378

Solved By 1265 Users

A string S and a character C are passed as input. The program must print the longest continuous occurrence of the character C. (The character C will definitely be present in S at least once).

Boundary Condition(s):

2 <= Length of String S <= 1000

Input Format:

The first line contains the string S and C separated by a space.

Output Format:

The first line contains the longest continuous occurrence of the character C.

Example Input/Output 1:

Input:
aabbbaabb a

Output:
3

Example Input/Output 2:

Input:
hopperetee e

Output:
2

Max Execution Time Limit: 5000 millisecs

Ambia

C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int check(char a[],char x,int i){
4     int c=0;
5     for(int j=i;j<strlen(a);j++){
6         if(a[j]==x){
7             c++;
8         }else break;
9     }
10    return c;
11 }
12 int main()
13 {
14     char a[1001],b;
15     scanf("%s %c",a,&b);
16     int k,s,max=0;
17     for(int i=0;i<strlen(a);i++){
18         /* Comment */
19         s = check(a,b,i);
20         if(s>max){
21             max = s;
22         }
23     }
24     printf("%d",max);
25     return;
26 }
```

String - Character Repetition Count

ID:5389

Solved By 1114 Users

Accept a string S and print the count of instances N where the characters are repeating successively.

Boundary Condition(s):

1 <= Length of S <= 1000

Input Format:

The first line contains S.

Output Format:

The first line contains the integer value N

Example Input/Output 1:

Input:

aabcbbbcd

Output:

2

Explanation:

aa bbb are the two occurrences where the same character repeats successively.

Example Input/Output 2:

Input:

hjjikpkpkkkkqqqeww

Output:

4

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C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int main()
4 {
5     char a[1001];
6     scanf("%s",a);
7     int count=0,k=0;
8     for(int i=0;i<strlen(a);i++){
9         if(a[i]==a[i+1]){
10             count++;
11         }
12         else if(a[i]=='\0' || !(a[i]==a[i+1])){
13             if(count>0){
14                 k++;
15                 count=0;
16             }
17         }
18     }
19     printf("%d",k);
20     return;
21 }
```


Characters between Two Vowels

ID:5073

Solved By 1424 Users

Given a string S, print only the characters which are surrounded by vowels on both sides. If there is no such character matching the condition the program must print -1.

Input Format:

The first line contains the value of string S.

Output Format:

The first line contains the characters or -1.

Boundary Condition(s):

3 <= Length of the string S <= 1000

Example Input/Output 1:

Input:

acceleration

Output:

lrt

Example Input/Output 2:

Input:

knowledge

Output:

-1

Max Execution Time Limit: 5000 millisecs

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C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int check(char x[],int pos){
4     int f=0;
5     switch(x[pos]){
6         case 'a':case 'e':case 'i':case 'o':case 'u':
7             f = 1;
8             break;
9     }return f;
10 }
11 int main()
12 {
13     char a[1001];
14     scanf("%s",a);
15     int x,y,c=0;
16     for(int i=1;i<strlen(a)-1;i++){
17         x = check(a,i-1);
18         y = check(a,i+1);
19         if(x==1 && y==1){
20             printf("%c",a[i]);
21             c++;
22         }
23     }if(c==0) printf("-1");
24     return;
25 }
```

Count Characters in Odd Positions

ID:5391

Solved By 1689 Users

A string S and a character C are passed as input. The program must print the count of the character C present in odd positions in the string.

Boundary Condition(s):

2 <= Length of String <= 1000

Input Format:

The first line contains the string S and the character C separated by space(s).

Output Format:

The first line contains an integer.

Example Input/Output 1:

Input:

ticketcounter t

Output:

2

Example Input/Output 2:

Input:

ingredient e

Output:

1

Max Execution Time Limit: 5000 millisecs

Ambia

C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     char a[1001],b;
7     scanf("%s %c",a,&b);
8     int c=0;
9     for(int i=0;i<strlen(a);i+=2){
10         if(a[i]==b) c++;
11     }
12     printf("%d",c);
13     return;
14 }
```

Custom test case has passed.

SUCCESS

You have executed a custom test case. Kindly un-check "Run with a custom test case (Input/Output)" to execute challenge test cases.

Equidistant Characters from Start & End

ID:5400

Solved By 1959 Users

Given a string value S1 the program must print only the characters which are present in the same position from the start of S1 as well as the end of S1 in the order of their occurrence.

Boundary Condition(s):

1 <= Length of S1 <= 1000

Input Format:

The first line contains S1.

Output Format:

The first line contains the string value containing the characters which are present in the same position from the start of S1 as well as the end of S1.

Example Input/Output 1:

Input:

engine

Output:

en

Example Input/Output 2:

Input:

malayalam

Output:

malay

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C (gcc 8.x)



Reset

```
1  #include<stdio.h>
2  #include<stdlib.h>
3
4  int main()
5  {
6      char a[1001];
7      scanf("%s",a);
8      int l = strlen(a);
9      for(int i=0,j=l-1;i<=l/2,j>=l/2;i++,j--)
10     {
11         if(a[i]==a[j]){
12             printf("%c",a[i]);
13         }
14     }
15     return;
16     printf("%d",l/2);
17 }
```

Custom test case has passed.

Alternate Characters in String

ID:5388

Solved By 1927 Users

A string S is passed as input. The program must print the alternate characters in the string.

Boundary Condition(s):

2 <= Length of String <= 1000

Input Format:

The first line contains the string S.

Output Format:

The first line contains the alternate characters of S.

Example Input/Output 1:

Input:

garden

Output:

gre

Example Input/Output 2:

Input:

drive

Output:

die

Max Execution Time Limit: 5000 millisecs

Ambia

C (gcc 8.x)



Reset

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5 {
6     char a[1001];
7     scanf("%s",a);
8     for(int i=0;i<strlen(a);i+=2){
9         printf("%c",a[i]);
10    }
11    return;
12 }
```

Custom test case has passed.

SUCCESS

You have executed a custom test case. Kindly un-check "Run with a custom test case (Input/Output)" to execute challenge test cases.