TOBB ETU BIL 141
Bilgisayar Programlamaya Giriş I LAB8

Statement

Verilen stringdeki rakamları çıkaran bir C programı yazınız.

Input description

String AlphaNumeric

Output description

String Alphabetic

Test cases

Test 1 TEST

Input

ka1an

Output

kaan

Validator 1 VALIDATOR

Input

ka12an

Output

kaan

Solution

```c
//
// Created by Mustafa Kaan on 3/4/2020.
//

#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <stdbool.h>

int isnum(char a){
    int result = 0;
    int numbers[] = {'0','1','2','3','4','5','6','7','8','9'};
    for(int j = 0; j < 10; j++){
        if(numbers[j] == a) {
            result = 1;
        }
    }
    return result;
}

void shiftLeft(char arr[], int size, int index){
    for(int i = index; i < size; i++){
        arr[i] = arr[i + 1];
    }
    return;
}

int main() {
    char s1[] = "ba98ri09s" ;
    int i = 0;


    for(int i = strlen(s1) - 1; i >= 0; i--){
        if(isnum(s1[i]) == 1){
            shiftLeft(s1, strlen(s1), i);
        }
    }

    printf("%s", s1);

    return 0;
}
```

Statement

Kullanıcıdan alınan stringdeki '4' olan yerlere 'for', '2' olan yerlere 'to' yazan bir C programı yazınız.

Input description

String AlphaNumeric

Output description

String Alphabetic

Test cases

Test 1 TEST

Input

4ever

Output

forever

Validator 1 VALIDATOR

Input

I Would Die 4 U

Output

I Would Die for U

Test 2 TEST

Input

No need 2 worry

Output

No need to worry

Validator 2 VALIDATOR

Input

No need 2 cry

Output

No need to cry

```c
#include <stdio.h>
#include <string.h>

int main()
{
    char str[100];
    char rem;

    gets(str);
    scanf("%c",&rem);

    int len = strlen(str);
    for(int i=0; i<len; i++)
    {
        if(str[i] == rem)
        {
            for(int j=i; j<len; j++)
            {
                str[j] = str[j+1];
            }
            --len;
            --i;
        }
    }
    printf("%s",str);

    return 0;
}
```

```c
#include <stdio.h>
#include <string.h>

int main() {
    char str[100];
    scanf("%s",str);
    int count[26];
    for(int i = 0; i != 26; ++i){
        count[i] = 0;
    }
    for(int i = 0; i != strlen(str); ++i){
        count[str[i] - 'a']++;
    }
    char maxChar = '0';
    int maxCount = 0;
    for(int i = 0; i != 26; ++i){
        if(count[i] > maxCount){
            maxChar = 'a' + i;
            maxCount = count[i];
        }
    }
    printf("%c %d",maxChar, maxCount);
}
```