

String Handling Function

Program: What is your mobile number?

```
#include <iostream.h>
#include <string.h>
int main()
{
    int t;
    scanf("%d", &t);
    while (t--)
    {
        int flag = 1;
        char s[10000];
        scanf("%s", s);
        int k = strlen(s);
        if (k == 10)
        {
            for (int i = 0; i < 10; i++)
            {
                if (s[i] == '0')
                {
                    flag = 0;
                    break;
                }
                if (s[i] < '0' || s[i] > '9')
                {
                    flag = 0;
                    break;
                }
            }
            else
            {
                flag = 0;
                if (flag == 1)
                    printf("YES\n");
                else
                    printf("NO\n");
            }
        }
        else
            printf("NO\n");
    }
}
```

Sample Input

?
1234567890
0123456789
0123456.78

Sample Output

GETS
NO
NO

NOTES

Program: Alice and Stealing

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

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

```
int main()
```

```
{
```

```
char str1[1000000], str2[1000000];
```

```
int flag = 1;
```

```
scanf("%s", str1);
```

```
scanf("%s", str2);
```

```
int a = strlen(str1);
```

```
int b = strlen(str2);
```

```
if(a == b)
```

```
{
```

```
for(int i = a - 1; i >= 0; i--)
```

```
{
```

```
while(str1[i] != str2[i])
```

```
{
```

```
for(int j = 0; j <= i; j++)
```

```
{
```

```
if(str1[j] < 'z')
```

```
str1[j]++;
```

```
else
```

```
{
```

```
flag = 0;
```

```
break;
```

```
}
```

N/A 02/1/25

```
if(flag == 0)
```

```
break;
```

```
3 3 3 3
```

```
else
```

```
flag = 0;
```

```
} if (flag == 0)
```

```
printf("NO");
```

```
else
```

```
printf("YES");
```

```
return 0;
```

```
}
```

Sample Input

abaca

Sample Output

YES

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Program: Pizza Confusion

```
#include <stdio.h>
#include <string.h>
int main()
{
    int n;
    scanf("%d", &n);
    char res[n][21];
    int mate[n];
    for (int i = 0; i < n; i++)
    {
        scanf("%s", res[i]);
        scanf("%d", &mate[i]);
    }
    int max = mate[0];
    char ans[20];
    strcpy(ans, res[0]);
    for (int i = 1; i < n; i++)
    {
        if (mate[i] > max)
        {
            max = mate[i];
            strcpy(ans, res[i]);
        }
        else if (mate[i] == max)
        {
            if (strcmp(res[i], ans) < 0)
                strcpy(ans, res[i]);
        }
    }
    printf("%s", ans);
    return 0;
}
```

Sample Input

3	Pizzaria 108
	Poninos 145
	Pizzapizza 19

Sample Output

Poninos

Program: Password

```
#include <stdio.h>
#include <string.h>
int main()
{
    int n, flag = 0;
    char temp;
    scanf("%d", &n);
    char words[n][19];
    for (int i = 0; i < n; i++)
        scanf("%s", words[i]);
    char reverse[19];
    for (int i = 0; i < n - 1; i++)
    {
        strcpy(reverse, words[i]);
        int size = strlen(reverse);
        for (int k = 0; k < size / 2; k++)
        {
            temp = reverse[k];
            reverse[k] = reverse[size - k - 1];
            reverse[size - k - 1] = temp;
        }
        for (int j = i + 1; j < n; j++)
        {
            if (strcmp(reverse, words[j]) == 0)
            {
                flag = 1;
                break;
            }
        }
        if (flag == 1)
            break;
    }
}
```

```
int len = strlen(reverse);
printf("%d %c", len,
reverse[len - 1]);
return 0;
```

Sample Input

4
abc
def
feg
cba

Sample Output

3 b

✓ Oct 25