

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

int main(){
    char s[104];
    gets(s);
    int p=0, len=strlen(s), q=0;
    for (int i = 1; i < len; i++){
        if(s[i]>='A'&&s[i]<='Z')
            q++;
    }
    if(q>=len-1){
        for (int i = 1; i < len; i++){
            s[i]=tolower(s[i]);
        }
        if(s[0]>='a'&&s[0]<='z')
            s[0]=toupper(s[0]);
        else
            s[0]=tolower(s[0]);
    }
    printf("%s",s);
}
```

→Judgement Protocol

Test: #1, time: 0 ms., memory: 3616 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

cAPS

Output

Caps

Answer

Caps

Checker Log

ok Caps

Test: #2, time: 0 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

LoCK

Output

LoCK

Answer

LoCK

Checker Log

ok LoCK

Test: #3, time: 15 ms., memory: 3588 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

cAPS1OCK

Output

cAPS1OCK

Answer

cAPS1OCK

Checker Log

ok cAPS1OCK

Test: #4, time: 0 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

CAPs

Output

CAPs

Answer

CAPs

Checker Log

ok CAPs

Test: #5, time: 31 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

LoCK

Output

LoCK

Answer

LoCK

Checker Log

ok LoCK

Test: #6, time: 15 ms., memory: 3596 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

OOPS

Output

oops

Answer

oops

Checker Log

ok oops

Test: #7, time: 0 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

oops

Output

oops

Answer

oops

Checker Log

ok oops

Test: #8, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

a

Output

A

Answer

A

Checker Log

ok A

Test: #9, time: 0 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

A

Output

a

Answer

a

Checker Log

ok a

Test: #10, time: 0 ms., memory: 3620 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

aA

Output

Aa

Answer

Aa

Checker Log

ok Aa

Test: #11, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

Zz

Output

Zz

Answer

Zz

Checker Log

ok Zz

Test: #12, time: 15 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

Az

Output

Az

Answer

Az

Checker Log

ok Az

Test: #13, time: 15 ms., memory: 3616 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

zA

Output

Za

Answer

Za

Checker Log

ok Za

Test: #14, time: 31 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

AAA

Output

aaa

Answer

aaa

Checker Log

ok aaa

Test: #15, time: 31 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

AAa

Output

AAa

Answer

AAa

Checker Log

ok AAa

Test: #16, time: 0 ms., memory: 3600 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

AaR

Output

AaR

Answer

AaR

Checker Log

ok AaR

Test: #17, time: 15 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

Tdr

Output

Tdr

Answer

Tdr

Checker Log

ok Tdr

Test: #18, time: 0 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

aTf

Output

Atf

Answer

Atf

Checker Log

ok Atf

Test: #19, time: 0 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

fYd
Output
fYd
Answer
fYd
Checker Log
ok fYd

Test: #20, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
dsA
Output
dsA
Answer
dsA
Checker Log
ok dsA

Test: #21, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
fru
Output
fru
Answer
fru
Checker Log
ok fru

Test: #22, time: 30 ms., memory: 3620 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
hYBKF
Output
Hybkf
Answer
Hybkf
Checker Log
ok Hybkf

Test: #23, time: 15 ms., memory: 3616 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
XweAR
Output
XweAR
Answer
XweAR
Checker Log
ok XweAR

Test: #24, time: 15 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
mogqx
Output
mogqx
Answer
mogqx
Checker Log
ok mogqx

Test: #25, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
e0hEi
Output
e0hEi
Answer
e0hEi
Checker Log
ok e0hEi

Test: #26, time: 15 ms., memory: 3600 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

nkdku

Output

nkdku

Answer

nkdku

Checker Log

ok nkdku

Test: #27, time: 0 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

zcnko

Output

zcnko

Answer

zcnko

Checker Log

ok zcnko

Test: #28, time: 15 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

lcccd

Output

lcccd

Answer

lcccd

Checker Log

ok lcccd

Test: #29, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

vwmvg

Output

vwmvg

Answer

vwmvg

Checker Log

ok vwmvg

Test: #30, time: 15 ms., memory: 3600 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

lvchf

Output

lvchf

Answer

lvchf

Checker Log

ok lvchf

Test: #31, time: 15 ms., memory: 3620 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

IUNVZCCH EWENCHQQXQYPUJCRDZLUXCLJHXPB XEUUGNXOOOPBMOBRI BHHMIRILYJGYYGFMTMFSVURGYHUWDR LQVIBRLPEVAMJQYO

Output

iunvzcchewenchqqxqypujcrdzluxcljhxphbx euugnxooopbmobribh hmirilyjgyygfmtmfsvurg yhuwdr lqvibr lpevamjqyo

Answer

iunvzcchewenchqqxqypujcrdzluxcljhxphbx euugnxooopbmobribh hmirilyjgyygfmtmfsvurg yhuwdr lqvibr lpevamjqyo

Checker Log

ok iunvzcchewenchqqxqypujcrdzluxcljhxphbx euugnxooopbmobribh hmirilyjgyygfmtmfsvurg yhuwdr lqvibr lpevamjqyo

Test: #32, time: 30 ms., memory: 3620 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

OBHSZCAMDXEJWOZL KXQKIVXUUQJ KJLMMFNBXP AEFXGVNSKQLJGXHUXHGCOTESIVK SFMVVXFV MTEKACRIWALAGG MCGFEXQKNY MRTG

Output

obhszcamdxejwozlkxqkivxuuqj kjlmmf nbpxaefxgvnskqljgxhuxhgcotesivksfmvvxfv mtekacriwalaggm cgefexqknymrtg

Answer

obhszcamdxejwozlkxqkivxuuqj kjlmmf nbpxaefxgvnskqljgxhuxhgcotesivksfmvvxfv mtekacriwalaggm cgefexqknymrtg

Checker Log

ok obhszcamdexjwozlkxqkivxuujklmmfnbpxaeafxgvnskqljgxxhuxhgcotesivksfmvxfvmttekacriwalagmgcgfexqknymrtg

Test: #33, time: 15 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

IKJYZIKROIYUUCTHSVSKZTETNNOCMAUBLFJCEVANCADASMZRCNLBZPQRXESHEEMOMEPCHROSRTNBIDXYMEPJSIXSZQEBTEKKUHFS

Output

ikjyzikroiuyuucthsvskztetnnocmaublfjcevancadasmzrcnlbzpqrxesheemomepchrosrtnbidxymepjsixszqebtekkuhfs

Answer

ikjyzikroiuyuucthsvskztetnnocmaublfjcevancadasmzrcnlbzpqrxesheemomepchrosrtnbidxymepjsixszqebtekkuhfs

Checker Log

ok ikjyzikroiuyuucthsvskztetnnocmaublfjcevancadasmzrcnlbzpqrxesheemomepchrosrtnbidxymepjsixszqebtekkuhfs

Test: #34, time: 15 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

cTKDZNWVYRTFPQLDAUUNSPKTDJTUPPFPRXRSINTVFVNNQNKXWUZUDHZBUSOKTABUEDQKUIVRTTVUREEOBJTSDKJKVEGFVXHXEYPE

Output

Ctkdznwvyrtfpqldauunspktdjtuppfprxrsintvfvnnqnkxwuzudhzbusoktabuedqkuivrttvureeobjtsdkjkvegfxxhxeype

Answer

Ctkdznwvyrtfpqldauunspktdjtuppfprxrsintvfvnnqnkxwuzudhzbusoktabuedqkuivrttvureeobjtsdkjkvegfxxhxeype

Checker Log

ok Ctkdznwvyrtfpqldauunspktdjtuppfprxrsintvfvnnqnkxwuzudhzbusoktabuedqkuivrttvureeobjtsdkjkvegfxxhxeype

Test: #35, time: 15 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

uCKJZRGZJCOPLEEYJTUNKOQSWGBMTBQEVYPYFPIPEKRVYQNTDPANOIXKMPINNUSZWCURGBDPYTEKBEKCPMVZPMWAOSHJYMGKOMBQ

Output

UckjzrgzjcpleeyjtunkoqswgbmtbqevpyfpipekrvyqntdpanoixkmpinnuszwcurgbdpYTEKBEKCPMVZPMWAOSHJYMGKOMBQ

Answer

UckjzrgzjcpleeyjtunkoqswgbmtbqevpyfpipekrvyqntdpanoixkmpinnuszwcurgbdpYTEKBEKCPMVZPMWAOSHJYMGKOMBQ

Checker Log

ok UckjzrgzjcpleeyjtunkoqswgbmtbqevpyfpipekrvyqntdpanoixkmpinnuszwcurgbdpYTEKBEKCPMVZPMWAOSHJYMGKOMBQ

Test: #36, time: 15 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

KETAXTSWAAOBKUOKUQREHIOMVMMSAEWKGXZKRASwTVNSSFSNIWYNPSTMRADOADEEBURRHPOOBIEUIBGYDJCEKPNLEUCANZYJKMR

Output

KETAXTSWAAOBKUOKUQREHIOMVMMSAEWKGXZKRASwTVNSSFSNIWYNPSTMRADOADEEBURRHPOOBIEUIBGYDJCEKPNLEUCANZYJKMR

Answer

KETAXTSWAAOBKUOKUQREHIOMVMMSAEWKGXZKRASwTVNSSFSNIWYNPSTMRADOADEEBURRHPOOBIEUIBGYDJCEKPNLEUCANZYJKMR

Checker Log

ok KETAXTSWAAOBKUOKUQREHIOMVMMSAEWKGXZKRASwTVNSSFSNIWYNPSTMRADOADEEBURRHPOOBIEUIBGYDJCEKPNLEUCANZYJKMR

Test: #37, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

ZEKGDMWJPVUWF1NXRLUmWKLMMYSLRQQIBRWDPKWITUIMZYYKOEYGREKHHZRZZUFVPTNIHKGTCCTLOKSZITXXZDMPITHNZUIGDZLE

Output

ZEKGDMWJPVUWF1NXRLUmWKLMMYSLRQQIBRWDPKWITUIMZYYKOEYGREKHHZRZZUFVPTNIHKGTCCTLOKSZITXXZDMPITHNZUIGDZLE

Answer

ZEKGDMWJPVUWF1NXRLUmWKLMMYSLRQQIBRWDPKWITUIMZYYKOEYGREKHHZRZZUFVPTNIHKGTCCTLOKSZITXXZDMPITHNZUIGDZLE

Checker Log

ok ZEGKDMWJPVUWF1NXRLUmWKLMMYSLRQQIBRWDPKWITUIMZYYKOEYGREKHHZRZZUFVPTNIHKGTCCTLOKSZITXXZDMPITHNZUIGDZLE

Test: #38, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

TcMbVPCFvnNkCEUUCIFLgBJeCOKuJhIGwXFrhAZjuAhBraMSchBfWwIuHAEbgJOFzGtxDLDXzDSaPCFuJGGxgxd1HUIQYRrMFCgJ

Output

TcMbVPCFvnNkCEUUCIFLgBJeCOKuJhIGwXFrhAZjuAhBraMSchBfWwIuHAEbgJOFzGtxDLDXzDSaPCFuJGGxgxd1HUIQYRrMFCgJ

Answer

TcMbVPCFvnNkCEUUCIFLgBJeCOKuJhIGwXFrhAZjuAhBraMSchBfWwIuHAEbgJOFzGtxDLDXzDSaPCFuJGGxgxd1HUIQYRrMFCgJ

Checker Log

ok TcMbVPCFvnNkCEUUCIFLgBJeCOKuJhIGwXFrhAZjuAhBraMSchBfWwIuHAEbgJOFzGtxDLDXzDSaPCFuJGGxgxd1HUIQYRrMFCgJ

Test: #39, time: 15 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

xFGqoLILNvxARKuIntPfeukFtMbvzDezKpPRAKkIoIvwqNXnehRVwkkXYvuRCeioieBaBfTjwsYhDeCLvBwktnntyluoxCYVioXGdm

Output

xFGqoLILNvxARKuIntPfeukFtMbvzDezKpPRAKkIoIvwqNXnehRVwkkXYvuRCeoieBaBfTjwsYhDeCLvBwktntyluoxCYVioXGdm
Answer
xFGqoLILNvxARKuIntPfeukFtMbvzDezKpPRAKkIoIvwqNXnehRVwkkXYvuRCeoieBaBfTjwsYhDeCLvBwktntyluoxCYVioXGdm
Checker Log
ok xFGqoLILNvxARKuIntPfeukFtMbvzDezKpPRAKkIoIvwqNXnehRVwkkXYvuRCeoieBaBfTjwsYhDeCLvBwktntyluoxCYVioXGdm

Test: #40, time: 15 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
udvqolbxdwbkijwvhlyaelhynmnfgszbhgshlcwdkaibceqomzujndixuzivlsjyjqxzxodzbukxxhwwultvekdftwzpzhhrIjm
Output
udvqolbxdwbkijwvhlyaelhynmnfgszbhgshlcwdkaibceqomzujndixuzivlsjyjqxzxodzbukxxhwwultvekdftwzpzhhrIjm
Answer
udvqolbxdwbkijwvhlyaelhynmnfgszbhgshlcwdkaibceqomzujndixuzivlsjyjqxzxodzbukxxhwwultvekdftwzpzhhrIjm
Checker Log
ok udvqolbxdwbkijwvhlyaelhynmnfgszbhgshlcwdkaibceqomzujndixuzivlsjyjqxzxodzbukxxhwwultvekdftwzpzhhrIjm

Test: #41, time: 31 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
jgpwhetqqoncighgzbbalwwwxkxivuwtokhegrprfgewzcwxkavwoflcgsgbhoeamzbefoonwsyzisetoydrpufktzgbaycgaeg
Output
jgpwhetqqoncighgzbbalwwwxkxivuwtokhegrprfgewzcwxkavwoflcgsgbhoeamzbefoonwsyzisetoydrpufktzgbaycgaeg
Answer
jgpwhetqqoncighgzbbalwwwxkxivuwtokhegrprfgewzcwxkavwoflcgsgbhoeamzbefoonwsyzisetoydrpufktzgbaycgaeg
Checker Log
ok jgpwhetqqoncighgzbbalwwwxkxivuwtokhegrprfgewzcwxkavwoflcgsgbhoeamzbefoonwsyzisetoydrpufktzgbaycgaeg

Test: #42, time: 0 ms., memory: 3592 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
vyujsazdstbnkxeunedfbolicojzjpufgfgemhtmdrswvmuhoivjvonacefqbqdelmdexqtbwezbydmanzutvdgkgrjxzln
Output
vyujsazdstbnkxeunedfbolicojzjpufgfgemhtmdrswvmuhoivjvonacefqbqdelmdexqtbwezbydmanzutvdgkgrjxzln
Answer
vyujsazdstbnkxeunedfbolicojzjpufgfgemhtmdrswvmuhoivjvonacefqbqdelmdexqtbwezbydmanzutvdgkgrjxzln
Checker Log
ok vyujsazdstbnkxeunedfbolicojzjpufgfgemhtmdrswvmuhoivjvonacefqbqdelmdexqtbwezbydmanzutvdgkgrjxzln

Test: #43, time: 15 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
pivqnuqkaofcdubttztjbuavrqiwrwkfncmvatoxrulyoecnkpqraiahumiaiqeyjapbqyrscdgjbihivtqezvasfmzntdfv
Output
pivqnuqkaofcdubttztjbuavrqiwrwkfncmvatoxrulyoecnkpqraiahumiaiqeyjapbqyrscdgjbihivtqezvasfmzntdfv
Answer
pivqnuqkaofcdubttztjbuavrqiwrwkfncmvatoxrulyoecnkpqraiahumiaiqeyjapbqyrscdgjbihivtqezvasfmzntdfv
Checker Log
ok pivqnuqkaofcdubttztjbuavrqiwrwkfncmvatoxrulyoecnkpqraiahumiaiqeyjapbqyrscdgjbihivtqezvasfmzntdfv

Test: #44, time: 0 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
upvtbsxswbohshdrbjxcungzquhuomgxwlyrvshshsfvqbrxvcikbglietlpqkiwbhiqpmduqosbtdvyekkaqiwrbsibpoect
Output
upvtbsxswbohshdrbjxcungzquhuomgxwlyrvshshsfvqbrxvcikbglietlpqkiwbhiqpmduqosbtdvyekkaqiwrbsibpoect
Answer
upvtbsxswbohshdrbjxcungzquhuomgxwlyrvshshsfvqbrxvcikbglietlpqkiwbhiqpmduqosbtdvyekkaqiwrbsibpoect
Checker Log
ok upvtbsxswbohshdrbjxcungzquhuomgxwlyrvshshsfvqbrxvcikbglietlpqkiwbhiqpmduqosbtdvyekkaqiwrbsibpoect

Test: #45, time: 15 ms., memory: 3604 KB, exit code: 0, checker exit code: 0, verdict: OK

Input
cTKDZNWVYRTFPQLDAUUNSPKTDJTUPPFPRXRSINTVFVNNQNKKWUZUDHZBUSOKTABUEDQKUIVRTTVUREEOBJTSDKJKVEGFVXHXYPE
Output
Ctkdznwvyrtfpql dauunspktdjtuppfprxrsintvfnnqnkxwuzudhzbusoktabuedqkuivrttvureeobjtsdkjkvegfxfvhxeype
Answer
Ctkdznwvyrtfpql dauunspktdjtuppfprxrsintvfnnqnkxwuzudhzbusoktabuedqkuivrttvureeobjtsdkjkvegfxfvhxeype
Checker Log
ok Ctkdznwvyrtfpql dauunspktdjtuppfprxrsintvfnnqnkxwuzudhzbusoktabuedqkuivrttvureeobjtsdkjkvegfxfvhxeype

Test: #46, time: 0 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

JEGDOFJOFGJHFRGHOFGMHOFGHORGFHMOu

JEGDOFJOFGJHFRGHOFGMHOFGHORGFMOMu

JEGDOFJOFGJHFR0GH0FGMH0FGH0RGFHM0u

ok JEGDOFJ0FGJHFROGHOFGMHOFGHORGFMou

aBACABa

aBACABa

aBACABa

ok aBACABa

AAAAAAAAAAAAAAAAAAAAAAAAaa

AAAAAAAAAAAAAAAAAAAAaa

AAAAAAAAAAAAAAAAAAAAAAAAaa

ok AAAAAAAAAAAAAAAAAAAAAAAAAAa

aaAA

aaAA

[illegible]

```
ok aaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

dDDDDDDDDDDDDDDDDDD

Ddddddddddddddd

Ddddddddddddddd

ok Ddddddddddddddd

[illegible][illegible][illegible][illegible]

Z

z

7

Checker Log

ok Z

Test: #53, time: 31 ms., memory: 3600 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

AZ

Output

az

Answer

az

Checker Log

ok az

Test: #54, time: 15 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

Z

Output

z

Answer

z

Checker Log

ok z

Test: #55, time: 15 ms., memory: 3612 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

aAAAA

Output

Aaaaa

Answer

Aaaaa

Checker Log

ok Aaaaa

Test: #56, time: 0 ms., memory: 3608 KB, exit code: 0, checker exit code: 0, verdict: OK

Input

F

Output

f

Answer

f

Checker Log

ok f