**句子文字转制**

#include <stdio.h>

#include <string.h>

#define SWAPCHAR(a, b) do { char temp = (a); (a) = (b); (b) = temp; } while(0)

#define MAX 256

char\* revstr(char \*s) {

int len = strlen(s);

int top = 0, end = len - 1;

while (top < end) {

SWAPCHAR(s[top], s[end]);

top++;

end--;

}

return s;

}

int main() {

char line[MAX];

char word[MAX];

int count = 0;

// Use fgets to read

fgets(line, MAX, stdin);

// Read words

for (int i = 0; line[i] != '\0'; i++) {

// 字符串拼接

if ((line[i] >= 'a' && line[i] <= 'z') ||

(line[i] >= 'A' && line[i] <= 'Z') ||

(line[i] >= '0' && line[i] <= '9')

) {

word[count] = line[i];

count++;

word[count] = '\0';

}

if (line[i + 1] == ' ' || line[i + 1] == '\0') {

// 反转字符串并打印

// 使用 revstr 函数反转字符串

revstr(word);

printf("%s ", word);

word[0] = '\0';

count = 0;

}

}

return 0;

}

|  |  |
| --- | --- |
| Input | Output |
| Don’t stop now!! | tnoD pots won |
| You know C programming! | uoY wonk C gnimmargorp |