**字符转制**

#include <stdio.h>

#include <string.h>

#define MAX\_LINES 100

#define MAX\_LENGTH 256

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

char strings[MAX\_LINES][MAX\_LENGTH];

char str[MAX\_LENGTH];

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()

{

int count = 0;

for (int i = 0; i < MAX\_LINES; i++)

{

if (fgets(str, sizeof(str), stdin) == NULL)

{

// 处理错误或退出循环

break;

}

// 删除末尾的换行符

str[strcspn(str, "\n")] = '\0';

// 使用 revstr 函数反转字符串

strcpy(strings[i], revstr(str));

count++;

}

for (int i = 0; i < count; i++)

{

printf("%s\n", strings[i]);

}

return 0;

}

|  |  |
| --- | --- |
| Input | Output |
| step | pets |
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