

```
//  
// ReverseString_unittest.cpp  
// CppTests  
//  
// Created by Stewart Bracken on 12/7/13.  
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//
```

```
#include <stdio.h>  
#include <gtest/gtest.h>  
#include <string>  
using namespace std;
```

```
//s is a null terminated c-style string
```

```
void reverseCStr (char* s){  
    char* end = s;  
    char* begin = s;  
    while( * (end+1) != '\0') end++;  
    while (begin != end){  
        char tmp = *end;  
        *end = *begin;  
        *begin = tmp;  
        begin++;  
        if(begin == end) break;  
        end--;  
    }  
    return;  
}
```

```
TEST(ReverseCString_unittest, ReverseCString){  
    char s[4] = {'a','b','c','\0'};  
    std::cout << "Orig: " << string(s) << std::endl;  
    reverseCStr(s);  
    std::cout << "Result: " << string(s) << std::endl;  
    string str(s);  
}
```