1.2   Write code to reverse a C-Style String. (C-String means that "abcd" is represented as five characters, including the null character.)

SOLUTION

This is a classic interview question. The only "gotcha" is to try to do it in place, and to be careful for the null character.

```
1   void reverse(char *str) {
2       char * end = str;
3       char tmp;
4       if (str) {
5           while (*end) {
6               ++end;
7           }
8           --end;
9           while (str < end) {
10              tmp = *str;
11              *str++ = *end;
12              *end-- = tmp;
13          }
14      }
15  }
```