```
File - D:\cpl\2023-cpl-coding-0\5-function\palindrome.c
 1 //
 2 // Created by hfwei on 2023/10/12.
 3 //
 5 #include <stdio.h>
 6 #include <string.h>
 7 #include <stdbool.h>
 9 #define LEN 21
10 char string[LEN] = "";
11
12 bool IsPalindrome(const char str[]);
14 int main() {
     printf("Input a string containing at most 20 characters.\n");
15
     scanf("%20s", string);
16
17
    printf("\"%s\" is %s a palindrome.\n", string,
18
19
            IsPalindrome(string) ? "" : "not");
20
21 return 0;
22 }
23
24 bool IsPalindrome(const char str[]) {
     int len = strlen(str);
26
27
     for (int i = 0, j = len - 1; i < j; i++, j--) {
28
       if (str[i] != str[j]) {
29
         return false;
       }
30
31
     }
32
33
    return true;
34 }
```