

```
C abc.c > ...
1 // Q86: Check if a string is a palindrome.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 madam
7 Output 1:
8 Palindrome
9
10 Input 2:
11 hello
12 Output 2:
13 Not palindrome
14
15 */
16
17 #include <stdio.h>
18 int main() {
19     char s[100];
20     scanf("%s", s);
21     int i=0, j=99;
22     while(s[i] && s[j]) {
23         i++;
24         j--;
25     }
26     int left=0, right=j;
27     int is_pal=1;
28     while(left < right) {
29         if(s[left++] != s[right--]) {
30             is_pal=0;
31             break;
32         }
33     }
34     if(is_pal) printf("Palindrome\n");
35     else printf("Not palindrome\n");
36     return 0;
37 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\abc.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

madam

Not palindrome

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\abc.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

hello

Not palindrome

PS C:\Users\drago\OneDrive\Desktop\C H.W> █

C abc.c > ...

```
1 // Q85: Reverse a string.
2
3 /*
4 Sample Test Cases:
5 Input 1:
6 abcd
7 Output 1:
8 dcba
9
10 */
11
12 #include <stdio.h>
13 int main() {
14     char s[100];
15     scanf("%s", s);
16     int n=0;
17     while(s[n]) n++;
18     for(int i=0; i<n/2; i++) {
19         char t=s[i];
20         s[i]=s[n-1-i];
21         s[n-1-i]=t;
22     }
23     printf("%s\n", s);
24     return 0;
25 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\abc.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

abcd

dcba

PS C:\Users\drago\OneDrive\Desktop\C H.W> █