

(globals)

palindrome using recursion.cpp

```
1  #include <stdio.h>
2  #include <string.h>
3
4  void check(char [], int);
5
6  int main()
7  {
8      char word[15];
9
10     printf("Enter a word to check if it is a palindrome\n");
11     scanf("%s", word);
12     check(word, 0);
13
14     return 0;
15 }
16
17 void check(char word[], int index)
18 {
19     int len = strlen(word) - (index + 1);
20     if (word[index] == word[len])
21     {
22         if (index + 1 == len || index == len)
23         {
24             printf("The entered word is a palindrome\n");
25             return;
26         }
27         check(word, index + 1);
28     }
29     else
```

CAUsers\DELL\Documents\palindrome using recursion.cpp - [Executing] - Embarcadero Dev-C++ 6.3

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TDM-GCC 9.2.0 64-bit Release

CAUsers\DELL\Documents\palindrome using recursion.exe

Project C * Enter a word to check if it is a palindrome

153

The entered word is not a palindrome

Process exited after 3.009 seconds with return value 0
Press any key to continue . . .

27 check(word, index + 1);
30