

NAME: PRANEETH REDDY PANYAM

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-: 0:Source:palindrome.cpp
-: 0:Graph:palindrome.gcno
-: 0:Data:palindrome.gcda
-: 0:Runs:1
-: 0:Programs:1
-: 1:#include <iostream>
-: 2:using namespace std;
-: 3:#include <vector>
2: 4:class MyString {
-: 5:     vector<char> thestring;
-: 6:     vector<char>::iterator fi;
-: 7:public:
1: 8:     bool Pal() {
1: 9:         int start = 0, end;
1: 10:        RemoveSpace();
1: 11:        UpCase();
1: 12:        end = thestring.size() - 1;
7: 13:        while (start <= end)
3: 14:            if (thestring[start] == thestring[end]) {
3: 15:                start++;
3: 16:                end--;
-: 17:            }
-: 18:            else
-: 19:            {
##### 20:                return false;
-: 21:            }
1: 22:        return true;
-: 23:    }
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1: 24: void RemoveSpace() {
6: 25:     for (fi = thestring.begin(); fi != thestring.end(); ++fi)
5: 26:         if (*fi == ' ')
#####: 27:             thestring.erase(fi);
1: 28: }
1: 29: void UpCase() {
6: 30:     for (fi = thestring.begin(); fi != thestring.end(); ++fi)
5: 31:         if (*fi >= 'a' && *fi <= 'z')
5: 32:             *fi = *fi - 32;
1: 33: }
1: 34: void GetString() {
-: 35:     char c;
1: 36:     cout << "Enter a string:";
1: 37:     cin >> c;
11: 38:     while (c != '\n') {
5: 39:         thestring.push_back(c);
5: 40:         cin.get(c);
-: 41:     }
1: 42: }
-: 43: void WriteString() {
-: 44:     for (fi = thestring.begin(); fi != thestring.end(); ++fi)
-: 45:         cout << *fi;
-: 46: }
-: 47:};
1: 48:int main () {
2: 49:     MyString s;
1: 50:     s.GetString();
1: 51:     if (s.Pal())
1: 52:         cout << "Palindrome";

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-: 53:     else
#####: 54:         cout << "Not a palindrome";
1: 55:     cout << endl;
1: 56:     return 0;
3: 57: }
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