**Question 2: Identify Palindromic String Pattern and return True/False.**

CODE: -

Language used -> **C++**

*//Question 2: Identify Palindromic String*

*#include* <iostream>

*#include*<string.h>

*using* *namespace* std;

*bool* *checkPalindrome*(*char* subString[],*int* startingIdx, *int* endingIdx)

{

*if* (startingIdx *==* endingIdx)

*return* true;

*if* (subString[startingIdx] *!=* subString[endingIdx])

*return* false;

*if* (startingIdx *<* endingIdx *+* 1)

*return* *checkPalindrome*(subString, startingIdx *+* 1, endingIdx *-* 1);

*return* true;

}

*bool* *isPalindrome*(*char* userString[])

{

*int* *stringLength* *=* *strlen*(userString);

*if* (*stringLength* *==* 0)

*return* true;

*return* *checkPalindrome*(userString, 0, *stringLength* *-* 1);

}

*int* *main*()

{

*char* *choice* *=* 'Y';

*do*{

*char* *userString*[100];

*cout<<*"Enter any String to check if it's Plaindrome or Not \n";

*cin>>userString*;

    (*isPalindrome*(*userString*)) *?* *cout* *<<* "True"*:* *cout* *<<* "False";

*cout<<*"\n";

*cout<<*"Do you want to check more strings (Y/N) \n";

*cin>>choice*;

    }

*while* (*choice==*'Y' *||* *choice==*'y');

*return* 0;

}

**Output Screenshot:**

