

**QUESTION:**

Write a program to check a given string as palindrome by developing a recursive function that takes only two character pointers, pointing to two locations, as argument.

**SOLUTION:**

#include<stdio.h>

#include<string.h>

#include<stdbool.h>

bool palindrome(char \*h, char \*l)

{

if(h>=l)

{

return true;

}

else

return (\*h==\*l)&&palindrome(++h,--l);

}

int main()

{

char str[50];

printf("Enter a word : ");

scanf("%s",str);

int l=strlen(str);

bool c=palindrome(&str[0],&str[l-1]);

if(c==false)

printf("It is Not a Palindrome \n");

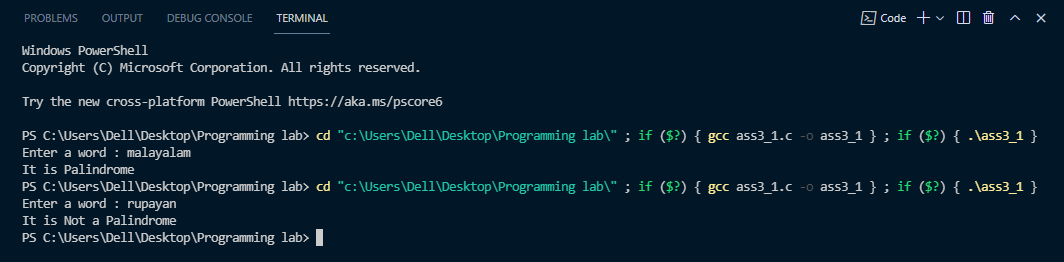
else

printf("It is Palindrome \n");

return 0;

}

**OUTPUT:**

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