**9.PALINDROME:-**

**RECURSIVE:-**

#include <stdio.h>

#include <string.h>

int main(){

char string1[20];

int i, length;

int flag = 0;

printf("Enter a string:");

scanf("%s", string1);

length = strlen(string1);

for(i=0;i < length ;i++){

if(string1[i] != string1[length-i-1]){

flag = 1;

break;

}

}

if (flag) {

printf("%s is not a palindrome", string1);

}

else {

printf("%s is a palindrome", string1);

}

return 0;

}

