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*CHECKING WHETHER STRING BELONGS TO THE GRAMMAR*

*#include<stdio.h>*

*#include<string.h>*

*int main()*

*{*

*char s[100];*

*int i,flag,flag1,a,b;*

*int l;*

*printf("enter the string to check: ");*

*scanf("%s",s);*

*l=strlen(s);*

*flag=1;*

*for(i=0;i<l;i++)*

*{*

*if(s[i]!='0' && s[i]!='1')*

*{*

*flag=0;*

*}*

*}*

*if(flag!=1)*

*printf("string is not valid\n:");*

*if(flag==1)*

*{*

*flag1=1;*

*a=0;*

*b=l-1;*

*while(a!=(1/2))*

*{*

*if(s[a]!=s[b])*

*{*

*flag1=0;*

*}*

*a=a+1;*

*b=b-1;*

*}*

*if(flag1==1)*

*{*

*printf("the string is a palindrome\n");*

*printf("string is accepted\n");*

*}*

*else*

*{*

*printf("the string is not a palindrome\n");*

*printf("string is not accepted\n");*

*}*

*}*

*}*

