WAP : WAP to check whether the entered string is accepted or not for the given grammer

#include<stdio.h>

#include<string.h>

#include<conio.h>

#include<stdlib.h>

void main()

{int i,n;

char a[20];

printf("\nEnter the term (to check whether it is in form of(ab\*c(a+b)): ");

scanf("%s",&a);

n=strlen(a);

if(a[0]=='a'&& (a[n-1]=='a'|| a[n-1]=='b') && a[n-2]=='c')

{

for(i=1;i<n-2;i++)

{if(a[i]=='b')

continue;

else

{printf("STRING IS REJECTED");

exit(0);

}

}

printf("STRING IS ACCEPTED");

}

else

printf("STRING REJECTED");

getch();

}

Output:

