**WAP to check whether the entered string is accepted or not for a given grammar**

#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<stdlib.h>

char a[100];

int n, i;

void main()

{

clrscr();

printf(“\nenter string”);

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’)

{

printf(“\n string is not accepted”);

getch();

exit(0);

}

}

printf(“\n string is accepted”);

}

else

printf(“\n string is not accepted”);

getch();

}

