

## CHECKING WHETHER A STRING BELONGS TO A GRAMMAR

```
#include<stdio.h>
#include<string.h>
int main(){
char s[100];
int i,flag;
int l;
printf("enter a 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)
{
if (s[0]=='0'&&s[l-1]=='1')
printf("string is accepted\n");
else
printf("string is Not accepted\n");
}
}
```

```
C:\Users\gkgag\OneDrive\Documents\exp 4.exe
enter a string to check:01010100011
string is accepted

-----
Process exited after 15.54 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\gkgag\OneDrive\Documents\exp 4.exe
enter a string to check:abbbbaaba
string is Not Valid

-----
Process exited after 10.01 seconds with return value 0
Press any key to continue . . .
```