

CHECKING STRING BELONGS TO THE GRAMMAR :

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