```c
#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");
}
}
```

```
enter a string to check:01010111101
string is accepted

Process returned 0 (0x0)   execution time : 25.719 s
Press any key to continue.
```

```
enter a string to check:011101010110
string is Not accepted

Process returned 0 (0x0)   execution time : 7.039 s
Press any key to continue.
```

```
enter a string to check:abbbababa
string is Not Valid

Process returned 0 (0x0)   execution time : 8.638 s
Press any key to continue.
```