EXPERIMENT:-4A

PROGRAM:-

```
#include<std
io.h>
#include<str
ing.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");
        }
}
```
<mark>**OUTPUT:-**</mark>

```
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.
```