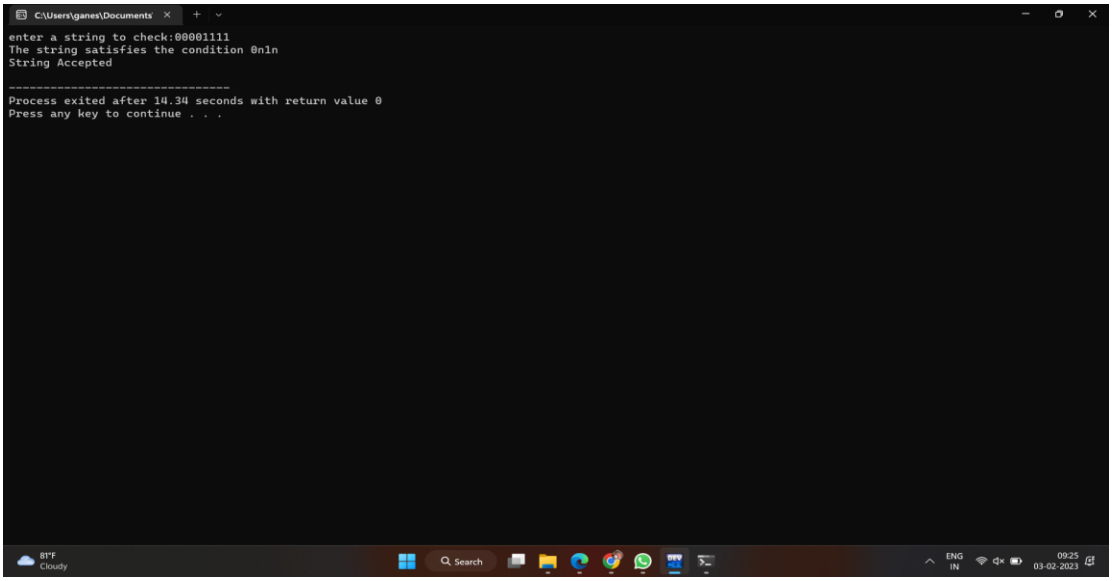
```
#include<stdio.h>
#include<string.h>
int main()
{
char s[100];
int i,flag,flag1,flag2;
int l;
printf("enter a string to check:");
scanf("%s",s);
l=strlen(s);
flag=1;
for(i=0;i<l;i++)
{
if(s[i]!='0' && s[i]!='1')
{
flag=0;
}
}
if(flag!=1)
printf("string is Not Valid\n");
if(flag==1)
{
if(l%2!=0) // If string length is odd
{
printf("The string does not satisfy the condition 0n1n\n");
printf("String Not Accepted\n");
}
else
{
```

```
// To check first half contains 0s
flag1=1;
for(i=0;i<(l/2);i++)
{
if(s[i]!='0')
{
flag1=0;
}
}
// To check second half contains 1s
flag2=1;
for(i=l/2;i<l;i++)
{
if(s[i]!='1')
{
flag2=0;
}
}
if(flag1==1 && flag2==1)
{
printf("The string satisfies the condition 0n1n\n");
printf("String Accepted\n");
}
else
{
printf("The string does not satisfy the condition 0n1n\n");
printf("String Not Accepted\n");
}
}
```

}

}

Output:


C:\Users\ganes\Documents
enter a string to check:00001111
The string satisfies the condition 0n1n
String Accepted
Process exited after 14.34 seconds with return value 0
Press any key to continue . . .
81°F
Cloudy
Search
ENG
IN
09:25
03-02-2023