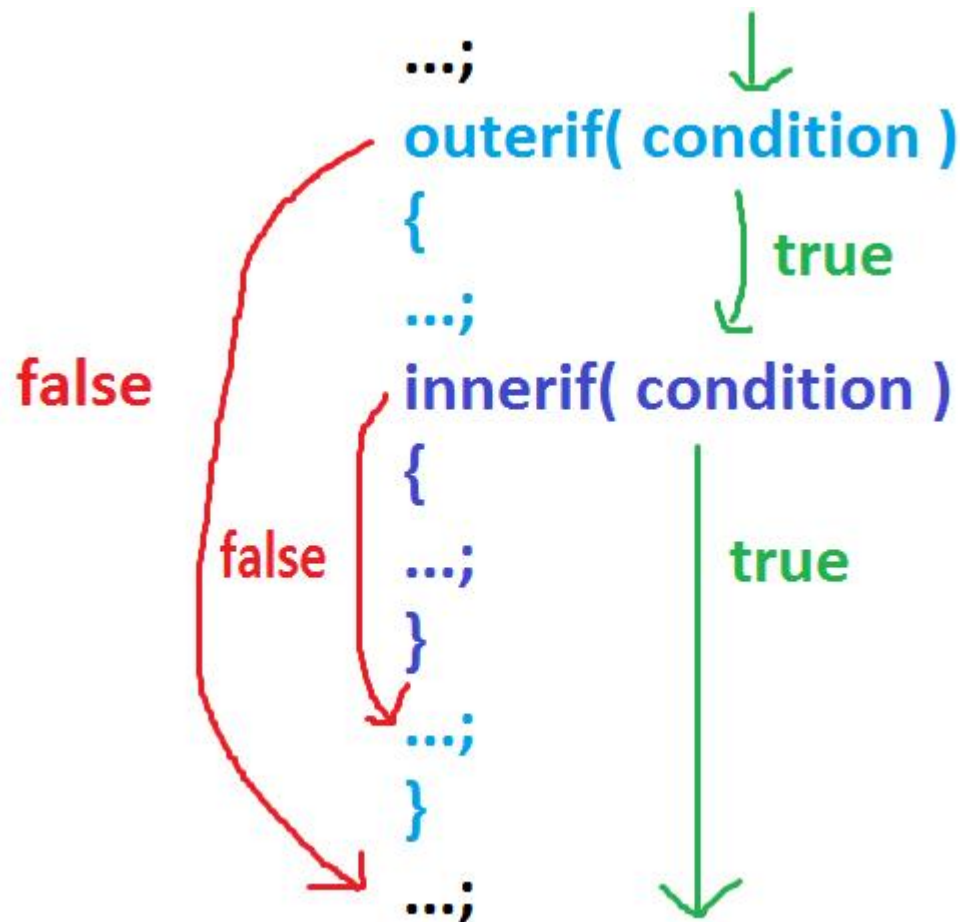


Nested if:

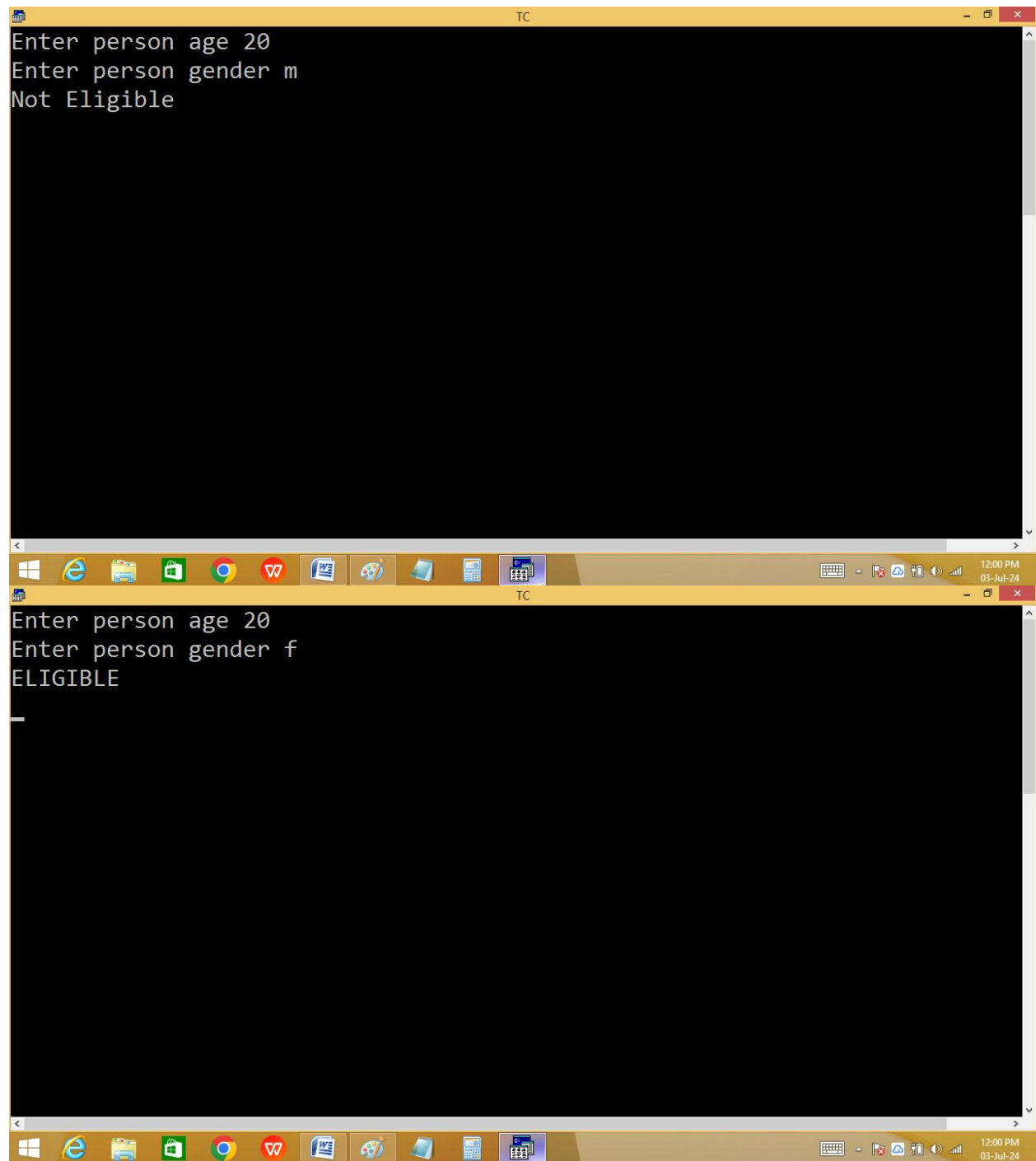
If within if is called nested if.

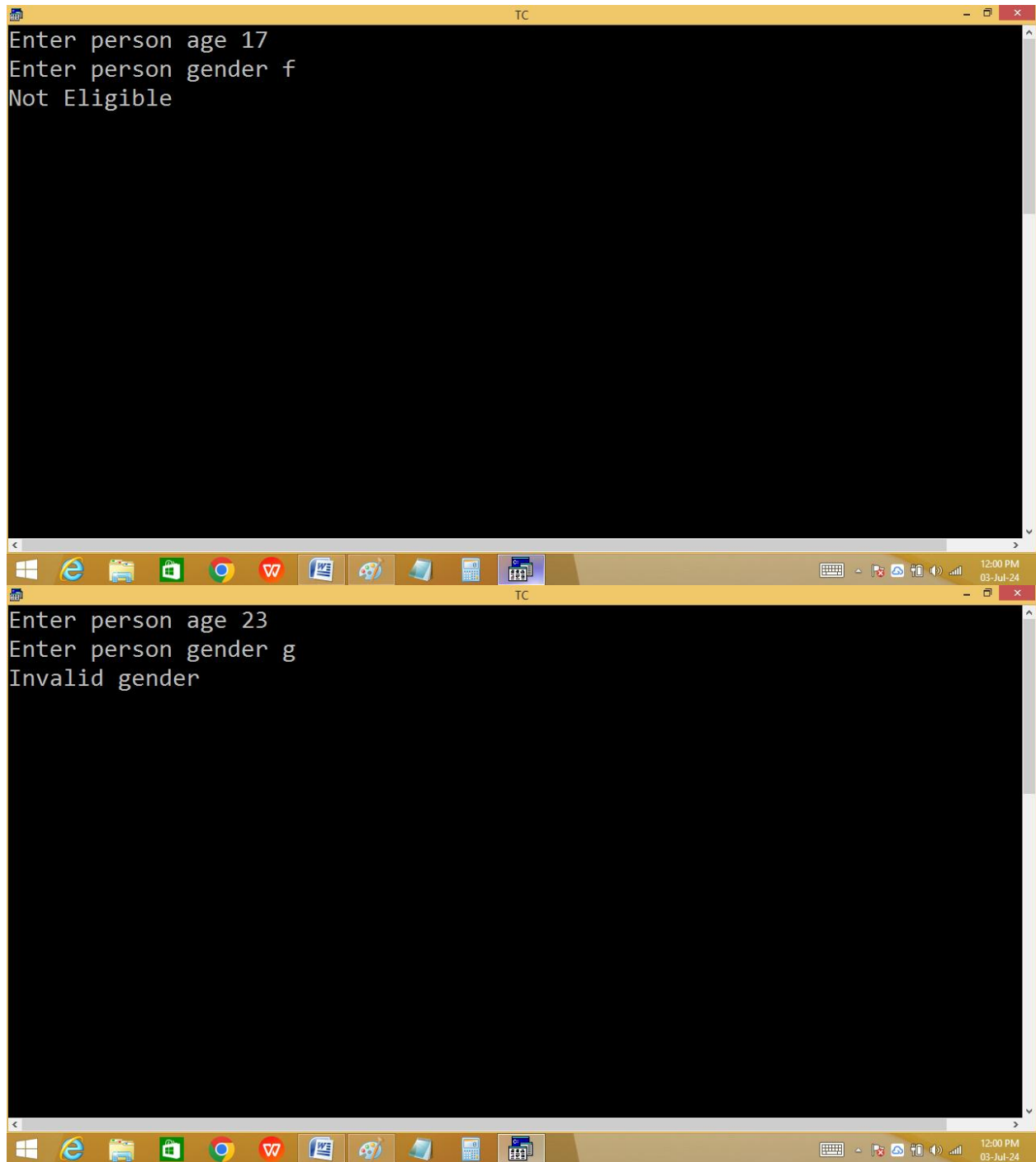


Read a person age and gender and determine that person is eligible for marriage or not.

```
TC
#include<stdio.h>
#include<conio.h>
void main()
{
int age;
char gen;
clrscr();
printf("Enter person age "); scanf("%d",&age);
fflush(stdin);
printf("Enter person gender "); scanf("%c",&gen);
if(gen=='m' || gen=='M' || gen=='f' || gen=='F')
{
if(age>=21 || (gen=='F' || gen=='f') && age>=18) puts("ELIGIBLE");
else puts("Not Eligible");
}
else puts("Invalid gender");
getch();
}

TC
Enter person age 21
Enter person gender m
ELIGIBLE
```





IRCTC Login:

#include<stdio.h>

#include<conio.h>

```
#include<string.h>

void main()

{

char user[20], pass[20],capt[20];

clrscr();

printf("Enter user id "); scanf("%s",user);

printf("Enter pass word "); scanf("%s",pass);

printf("Enter captcha "); scanf("%s",capt);

if(strcmp(user,"Kishore")==0)

{

if(strcmp(pass,"Indian")==0)

{

if(strcmp(capt,"Hyd-16")==0) puts("Welcome to IRCTC");

else puts("Invalid Captcha");

}

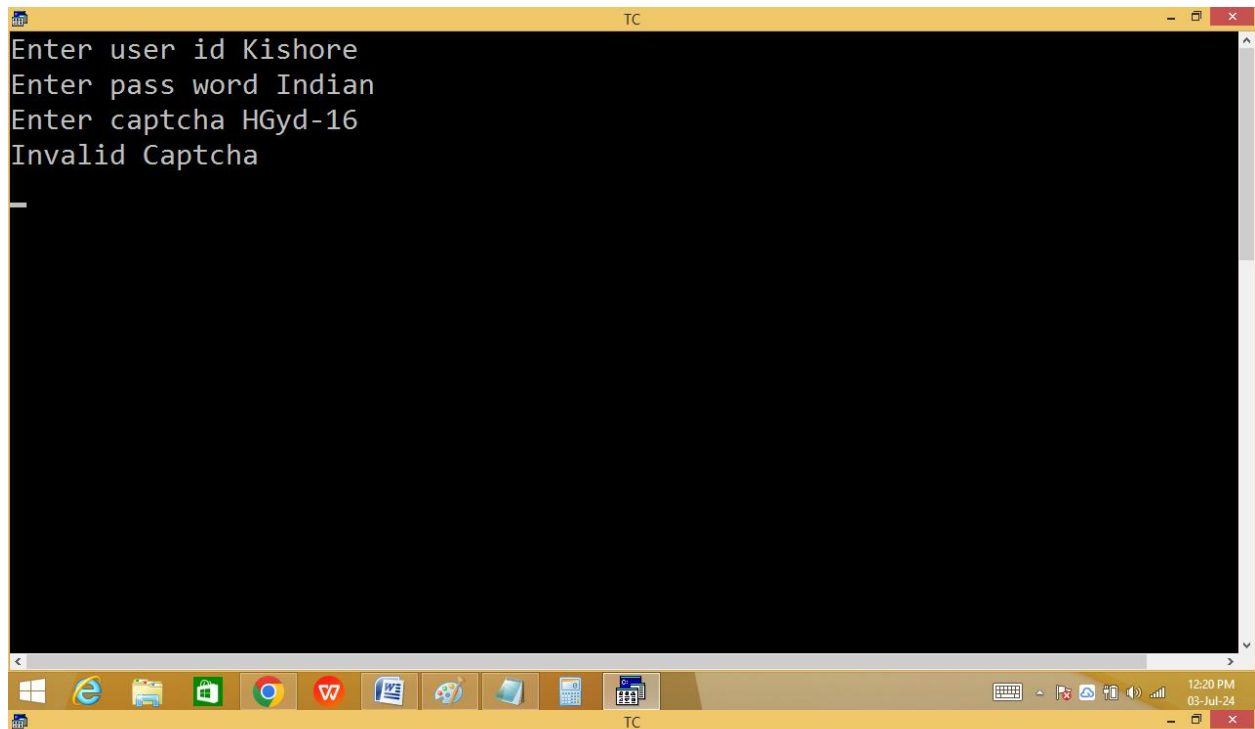
else puts("Invalid Pass Word");

}
```

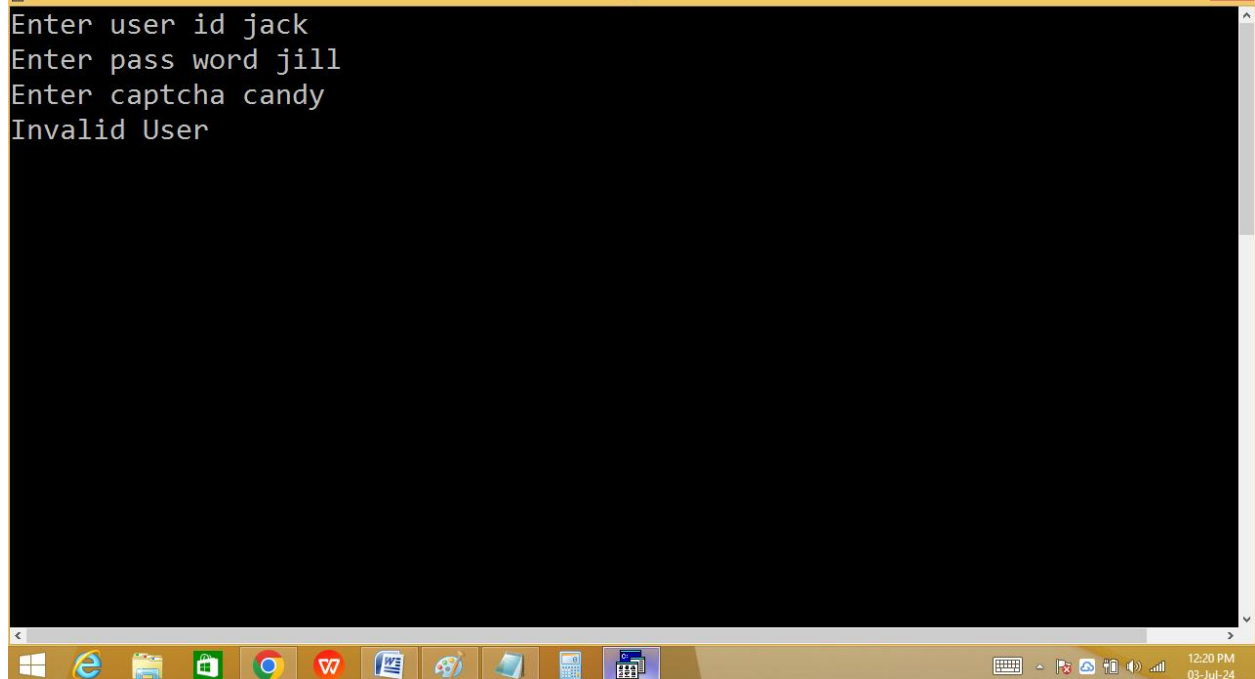
```
else puts("Invalid User ");
```

```
getch();
```

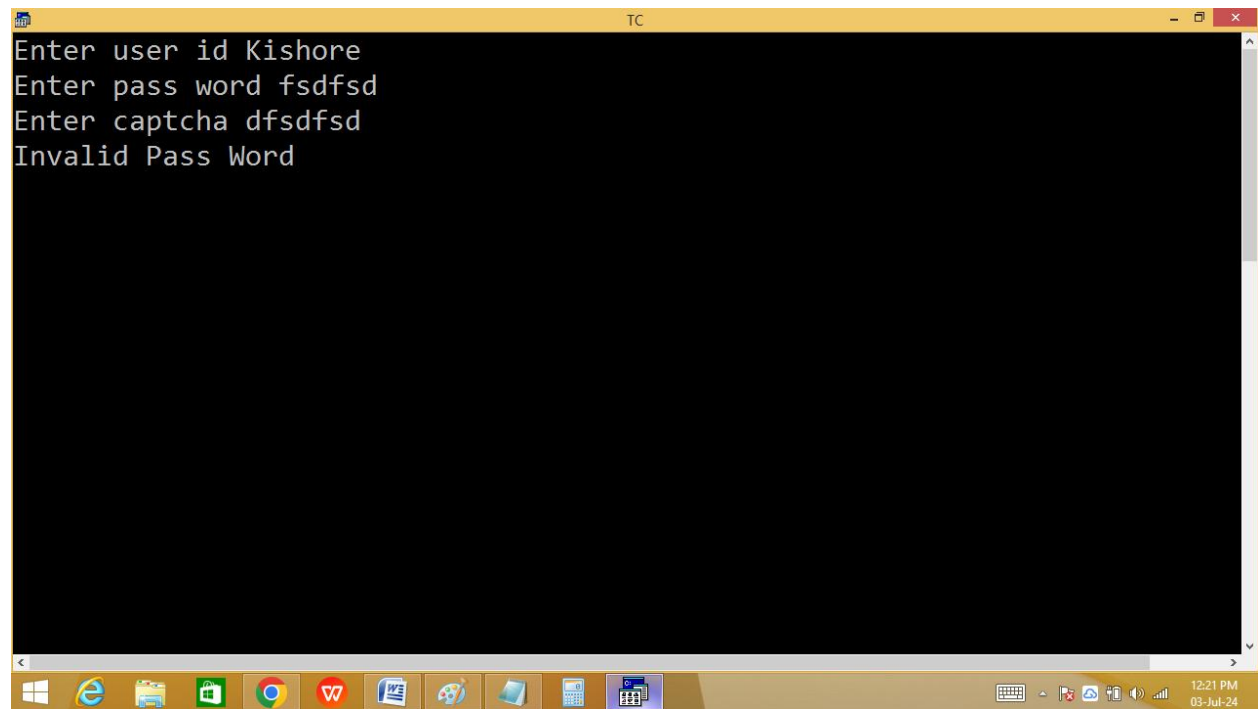
```
}
```

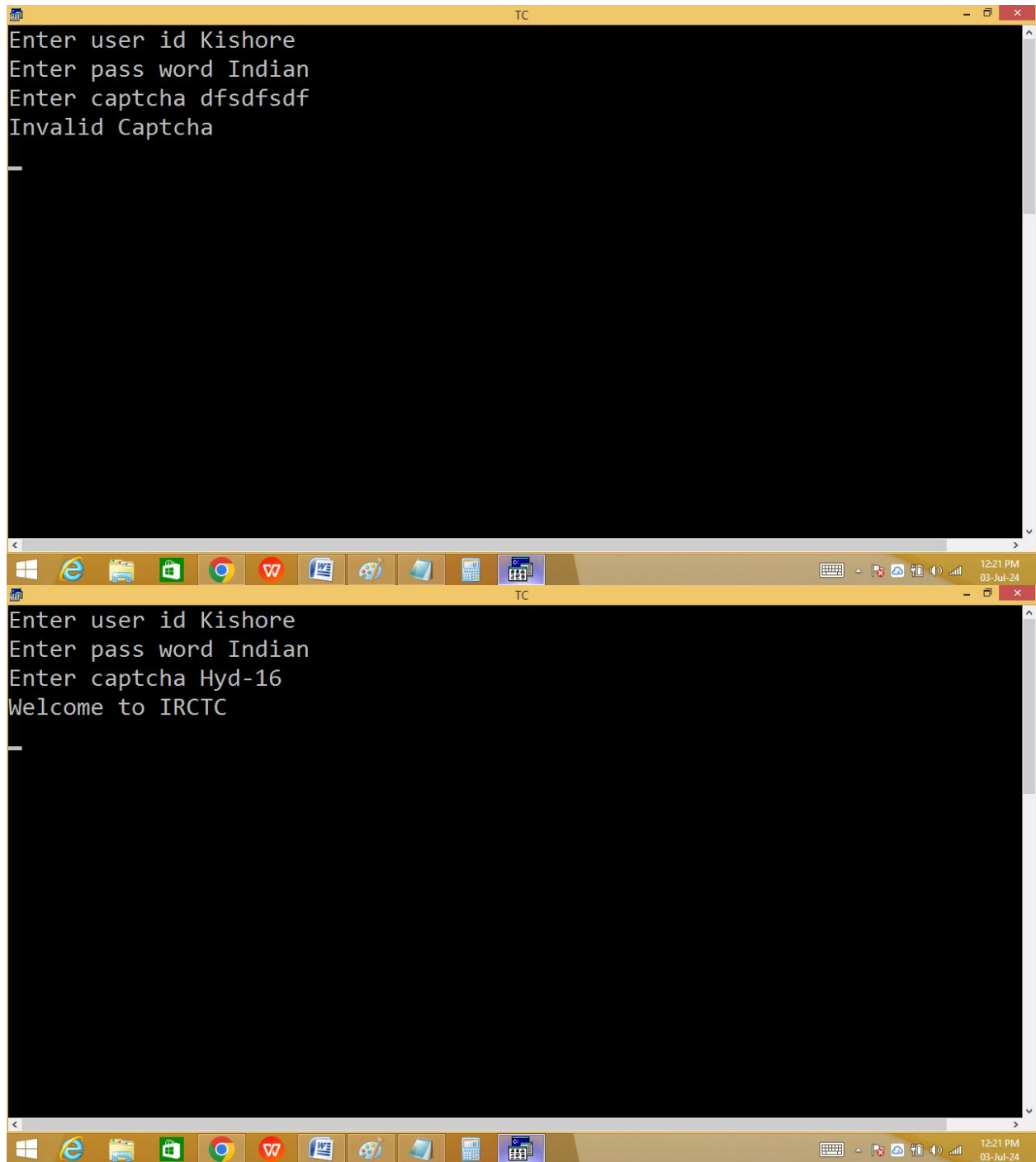


```
TC
Enter user id Kishore
Enter pass word Indian
Enter captcha HGyd-16
Invalid Captcha
```



```
TC
Enter user id jack
Enter pass word jill
Enter captcha candy
Invalid User
```





Gmail style login:

#include<stdio.h>

#include<conio.h>


```
#include<string.h>

void main()

{

char user[20], pass[20],capt[20];

clrscr();

printf("Enter user id "); scanf("%s",user);

if(strcmp(user,"Kishore")==0)

{

printf("Enter pass word "); scanf("%s",pass);

if(strcmp(pass,"Indian")==0)

{

printf("Enter captcha "); scanf("%s",capt);

if(strcmp(capt,"Hyd-16")==0) puts("Welcome to Gmail");

else puts("Invalid Captcha");

}

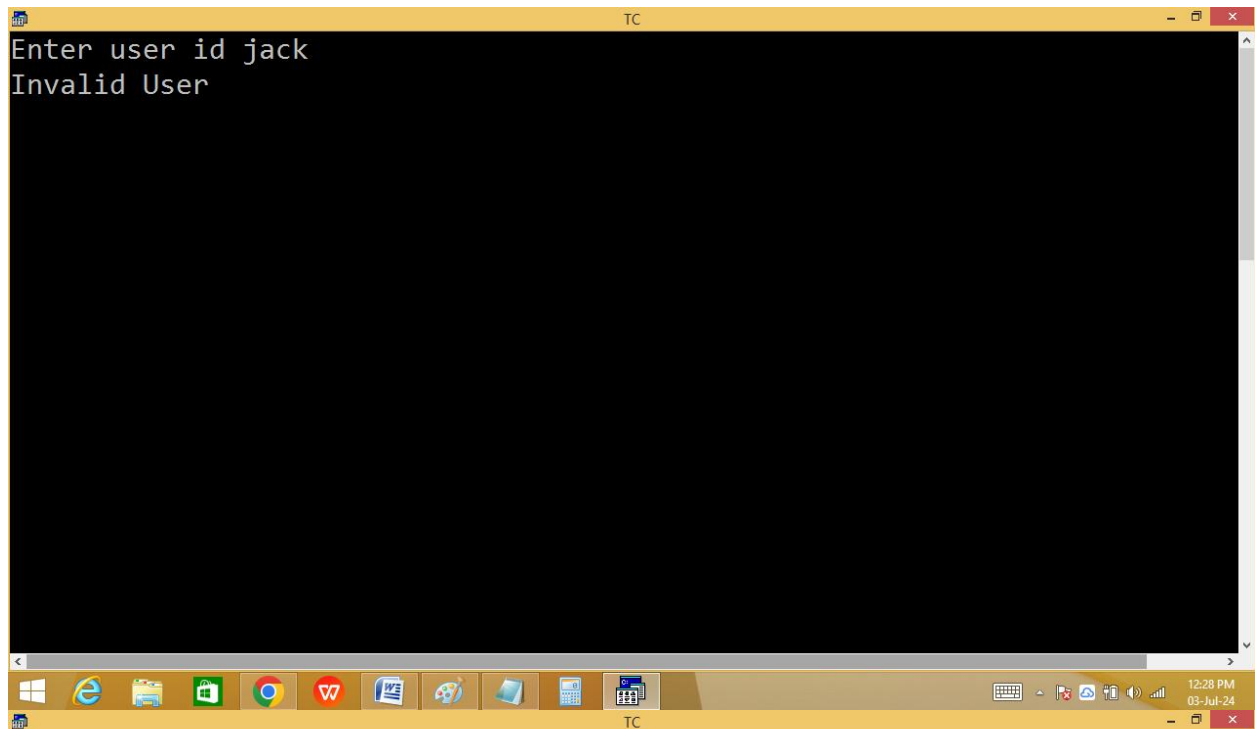
else puts("Invalid Pass Word");

}
```

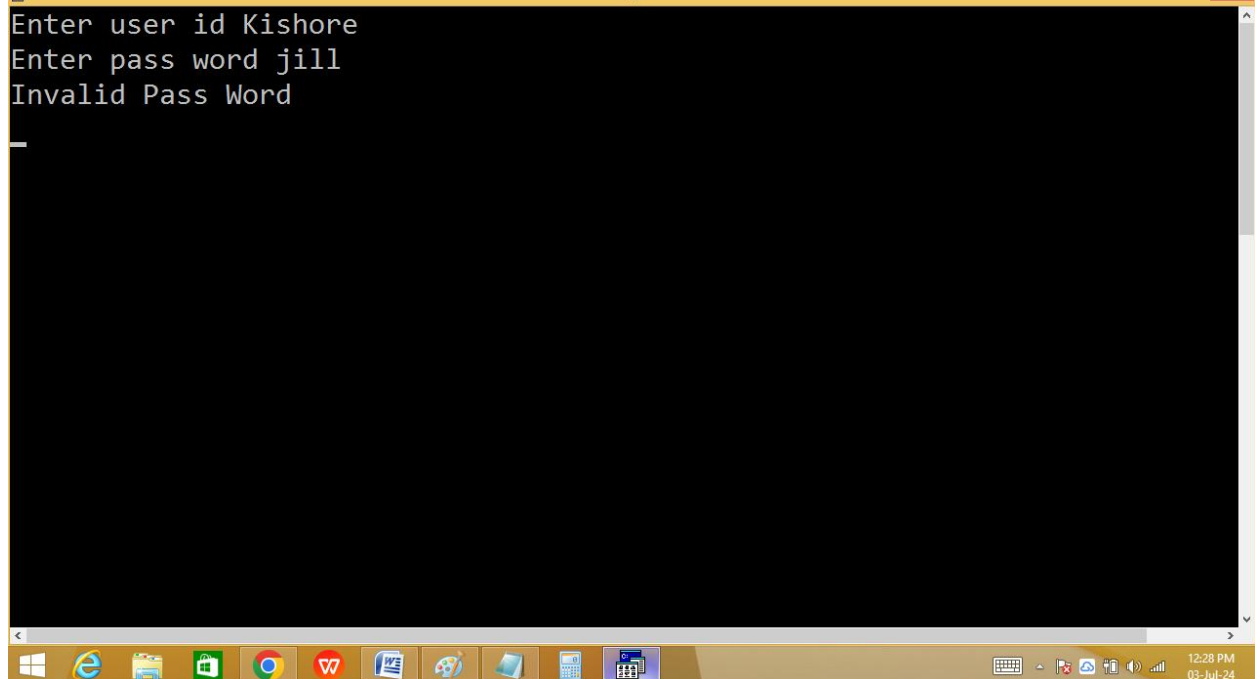
```
else puts("Invalid User ");
```

```
getch();
```

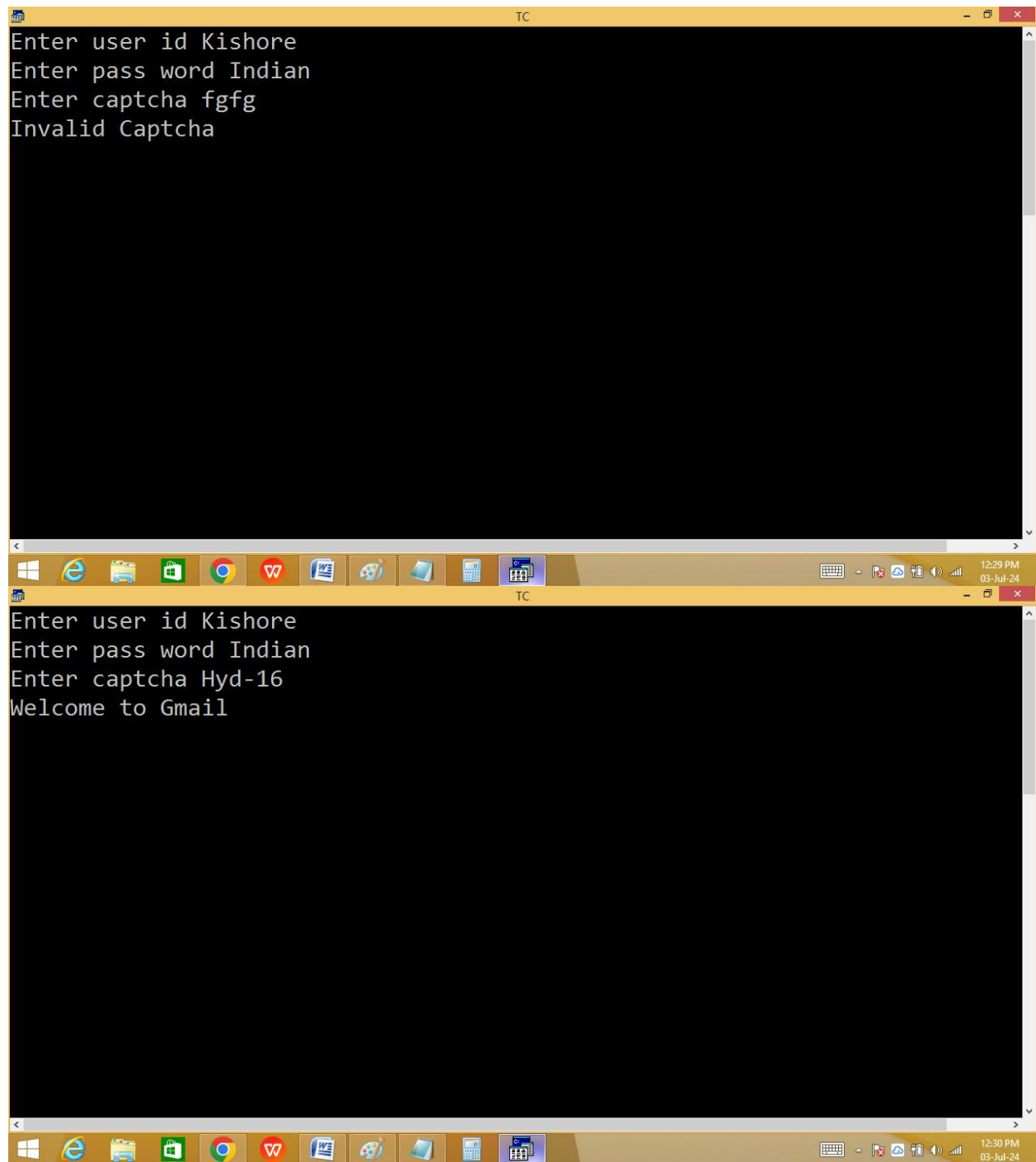
```
}
```



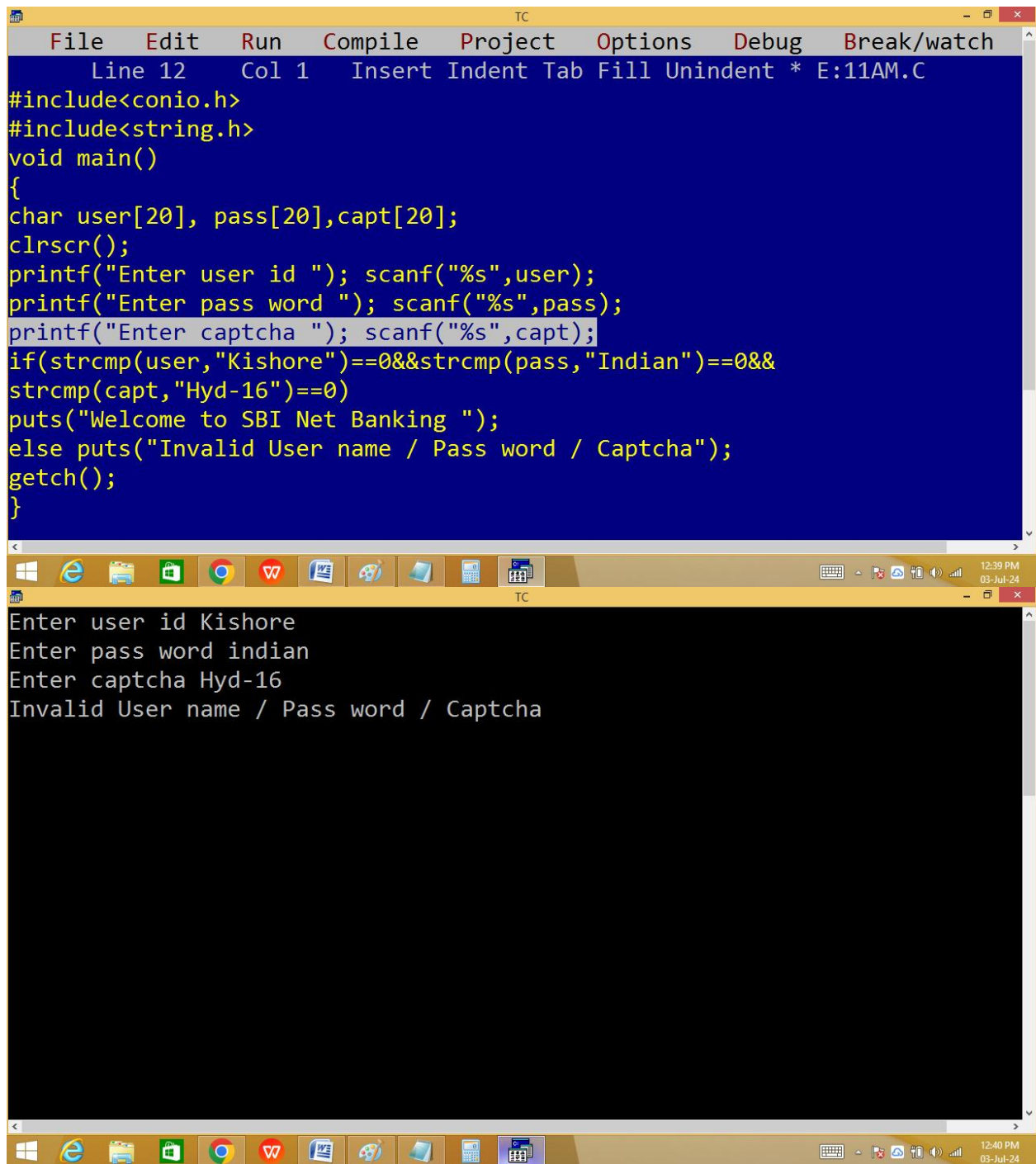
```
TC
Enter user id jack
Invalid User
```



```
TC
Enter user id Kishore
Enter pass word jill
Invalid Pass Word
```

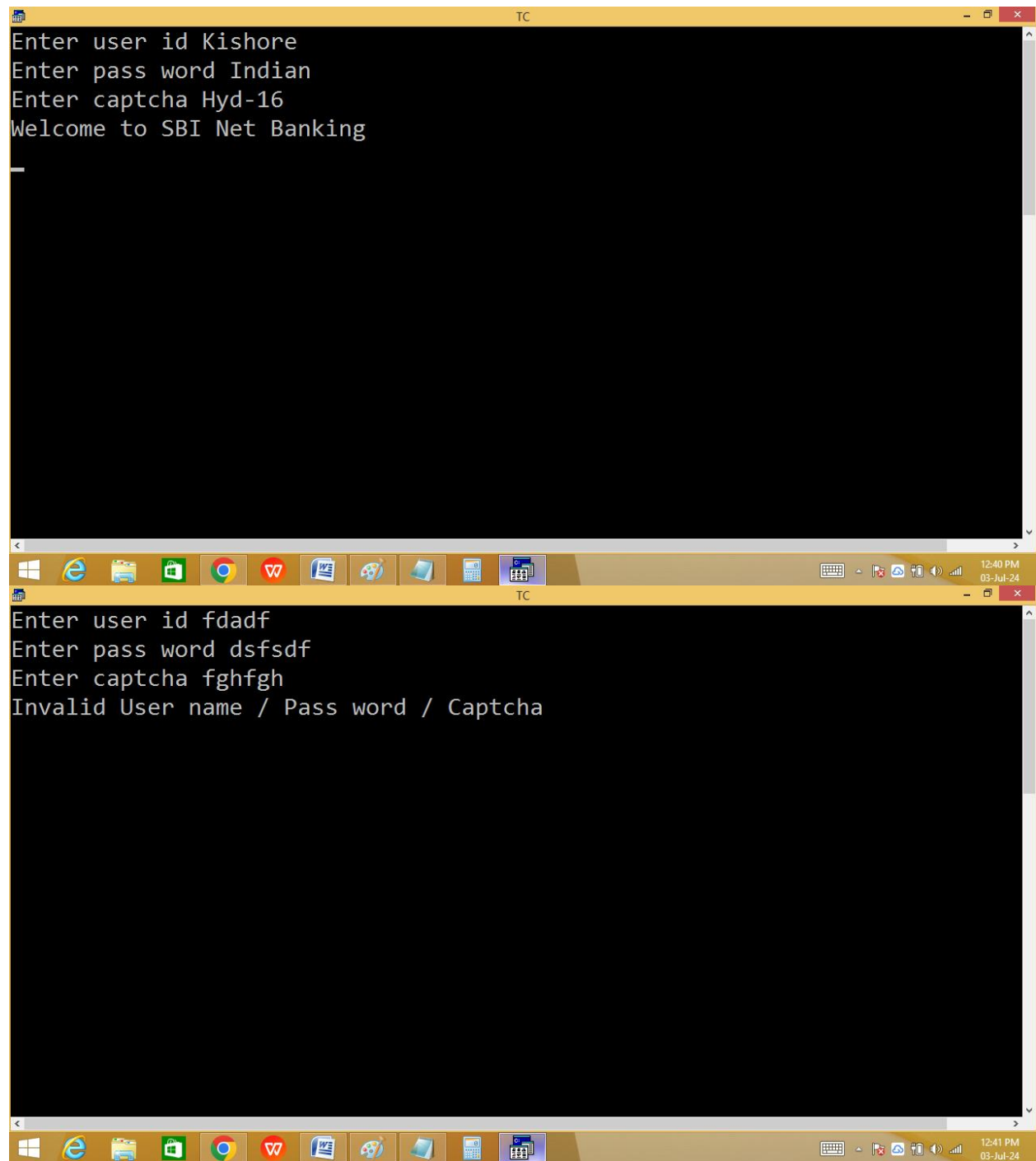


Internet Banking Style Login:



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<conio.h>
#include<string.h>
void main()
{
char user[20], pass[20], capt[20];
clrscr();
printf("Enter user id "); scanf("%s", user);
printf("Enter pass word "); scanf("%s", pass);
printf("Enter captcha "); scanf("%s", capt);
if(strcmp(user, "Kishore")==0&&strcmp(pass, "Indian")==0&&
strcmp(capt, "Hyd-16")==0)
puts("Welcome to SBI Net Banking ");
else puts("Invalid User name / Pass word / Captcha");
getch();
}
```

Enter user id Kishore
Enter pass word indian
Enter captcha Hyd-16
Invalid User name / Pass word / Captcha



Home work:

1. ATM PIN Validation

2. Read a stu id, name, 6 sub marks and find stu tot, avg and grade using below table.

Avg\geq75	Distinction
\geq60	1st
\geq50	2nd
\geq35	3rd
<35	Fail

Id	Name	Tot	Avg	Grade
1	Krish	594	99.9	Distinction

