```c
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a=*(3+"I Like""ABCD"+4))
{
case 65: puts("Pooja Hegde");break;
case 66: puts("Jhanvi Kapoor");break;
case 67: puts("Kiara Advani");break;
case 68: puts("Deepika");break;
default: puts("All");
}
printf("a=%d",a);
getch();
}
```

```
Jhanvi Kapoor
a=66
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int a=65;
clrscr();
switch(a++||++a||a--||--a)
{
case 65: puts("Pooja Hegde");break;
case 66: puts("Jhanvi Kapoor");break;
case 67: puts("Kiara Advani");break;
case 68: puts("Deepika");break;
default: puts("All");_
}
printf("a=%d",a);
getch();
}
```

```
All
a=66_
```

Eg. Finding even/odd using switch:
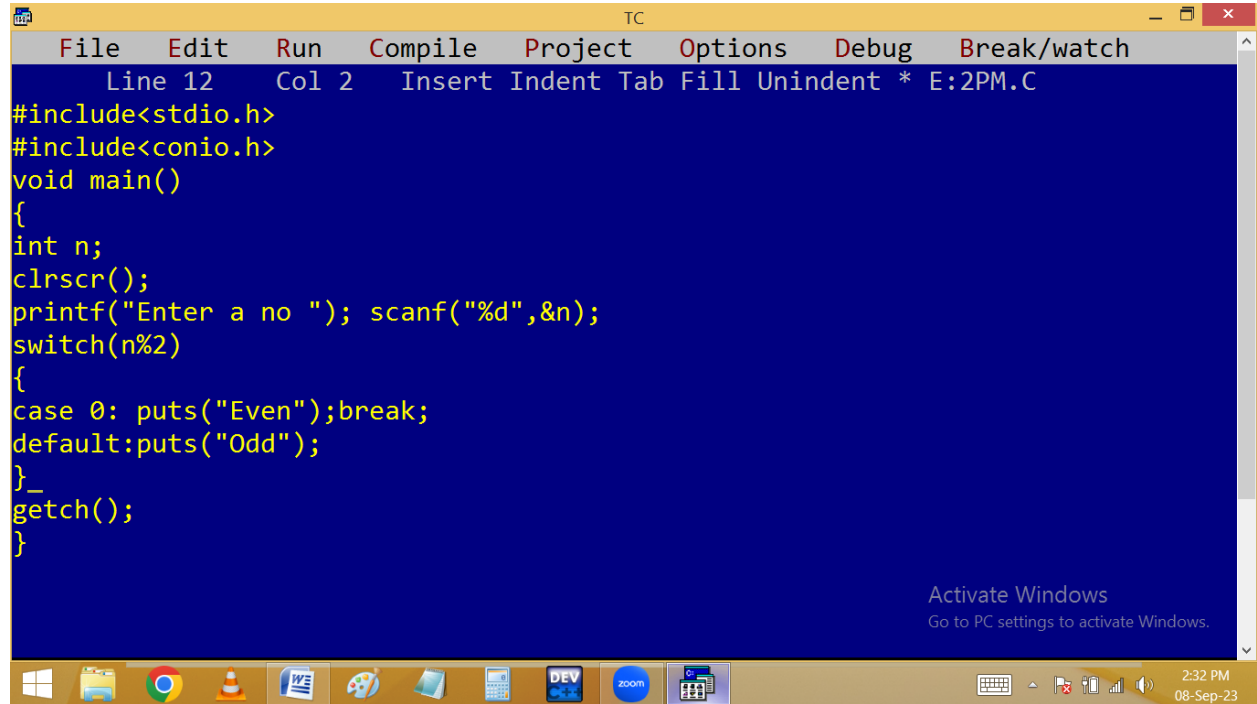
File   Edit   Run   Compile   Project   Options   Debug   Break/watch

Line 12   Col 2   Insert Indent Tab Fill Unindent * E:2PM.C

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter a no "); scanf("%d",&n);
switch(n%2)
{
case 0: puts("Even");break;
default:puts("Odd");
}
getch();
}
```

2:32 PM
08-Sep-23

```
Enter a no 3
Odd
_
```

```
Enter a no 4
Even
_
```
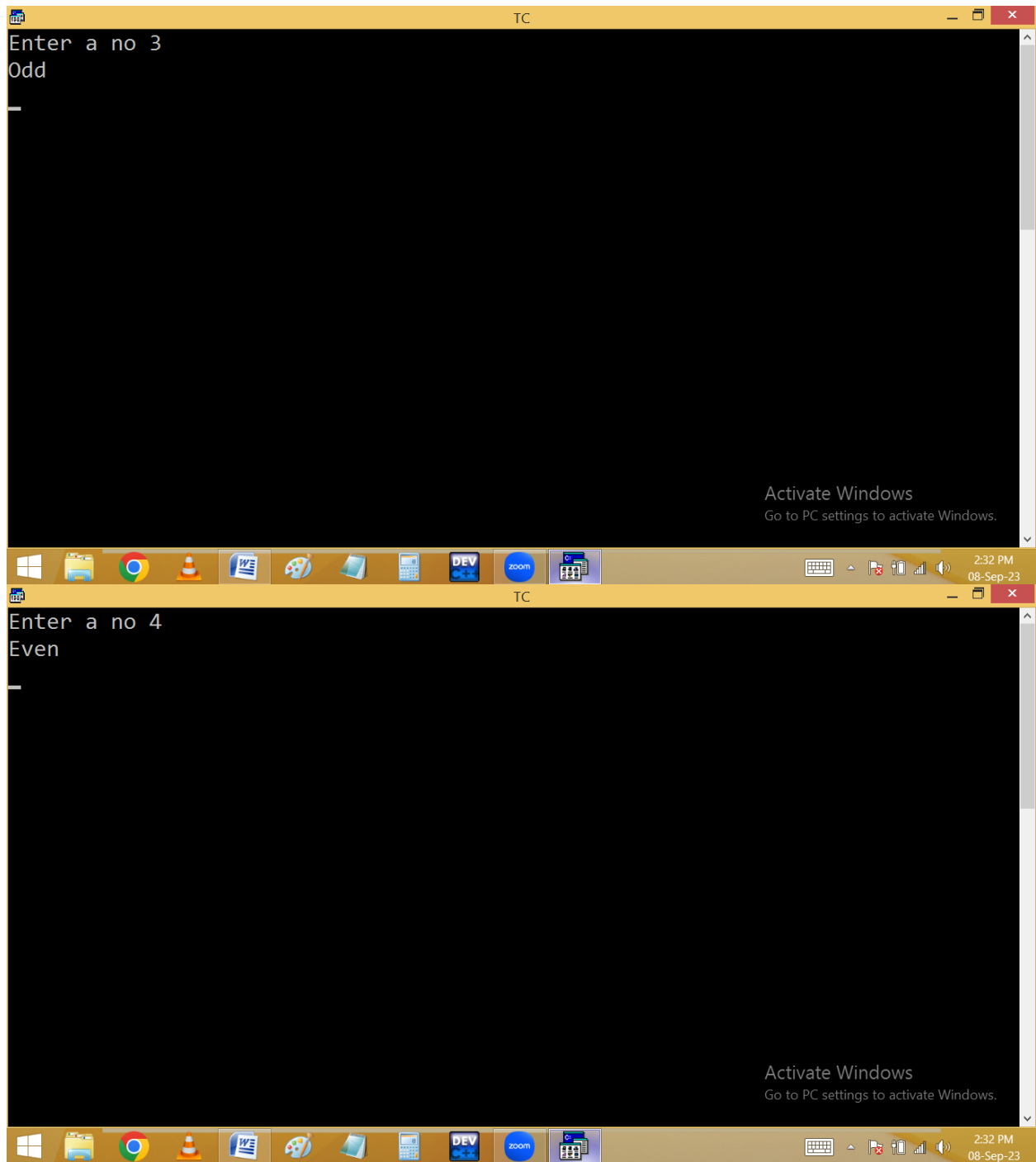
Eg. Finding week day name using switch:

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int n; clrscr();
printf("Enter a week day no between 1-7 "); scanf("%d",&n);
switch(n)
{
case 1: puts("Sunday");break;
case 2: puts("Monday");break;
case 3: puts("Tuesday");break;
case 4: puts("Wednesday");break;
case 5: puts("Thursday");break;
case 6: puts("Friday");break;
case 7: puts("Saturday");break;
default:puts("Invalid day");
}
getch();
}
```

TC

Enter a week day no between 1-7 6
Friday

```
Enter a week day no between 1-7 7
Saturday
_
```

Activate Windows
Go to PC settings to activate Windows.

```
Enter a week day no between 1-7 9
Invalid day
_
```

Activate Windows
Go to PC settings to activate Windows.
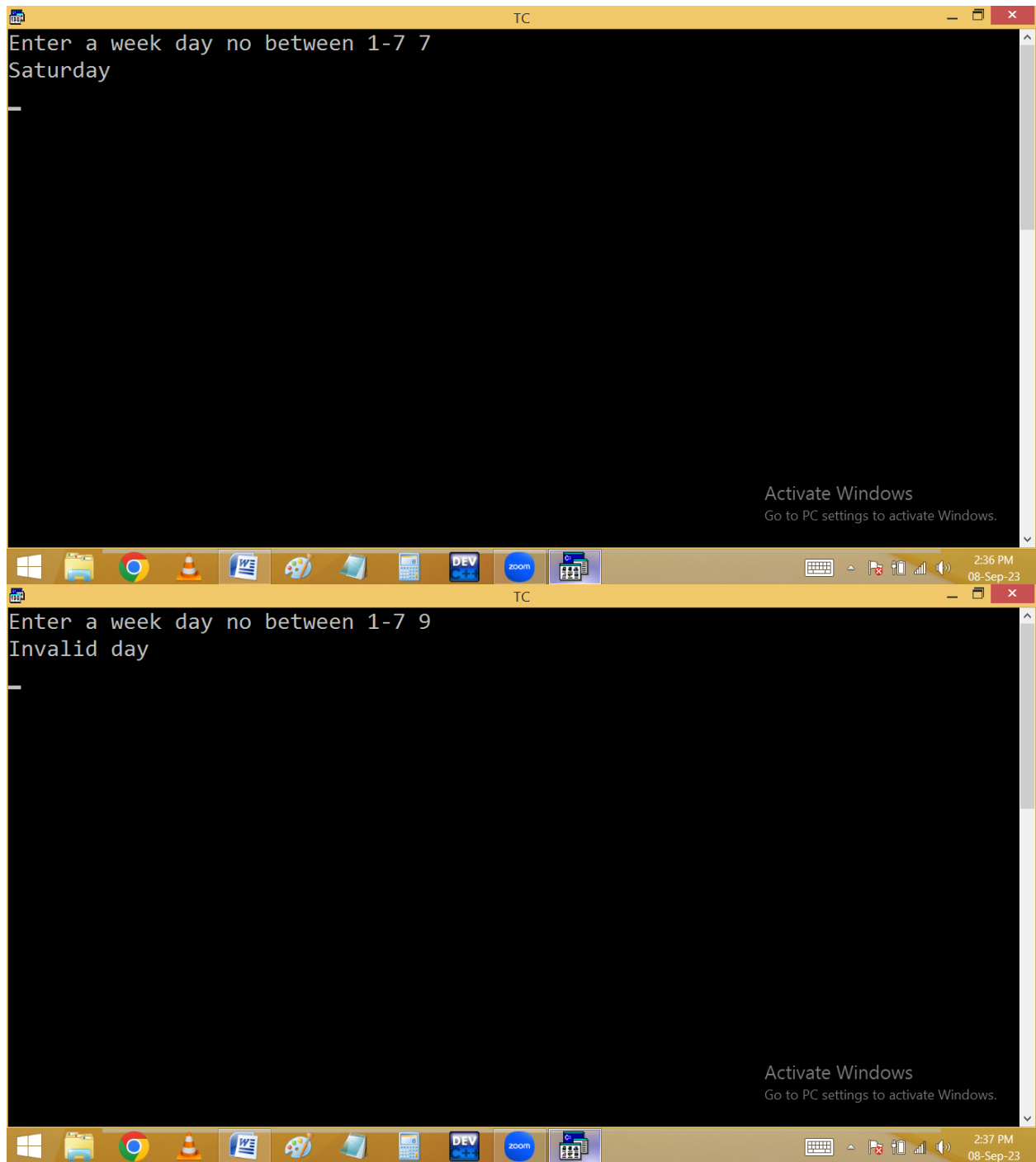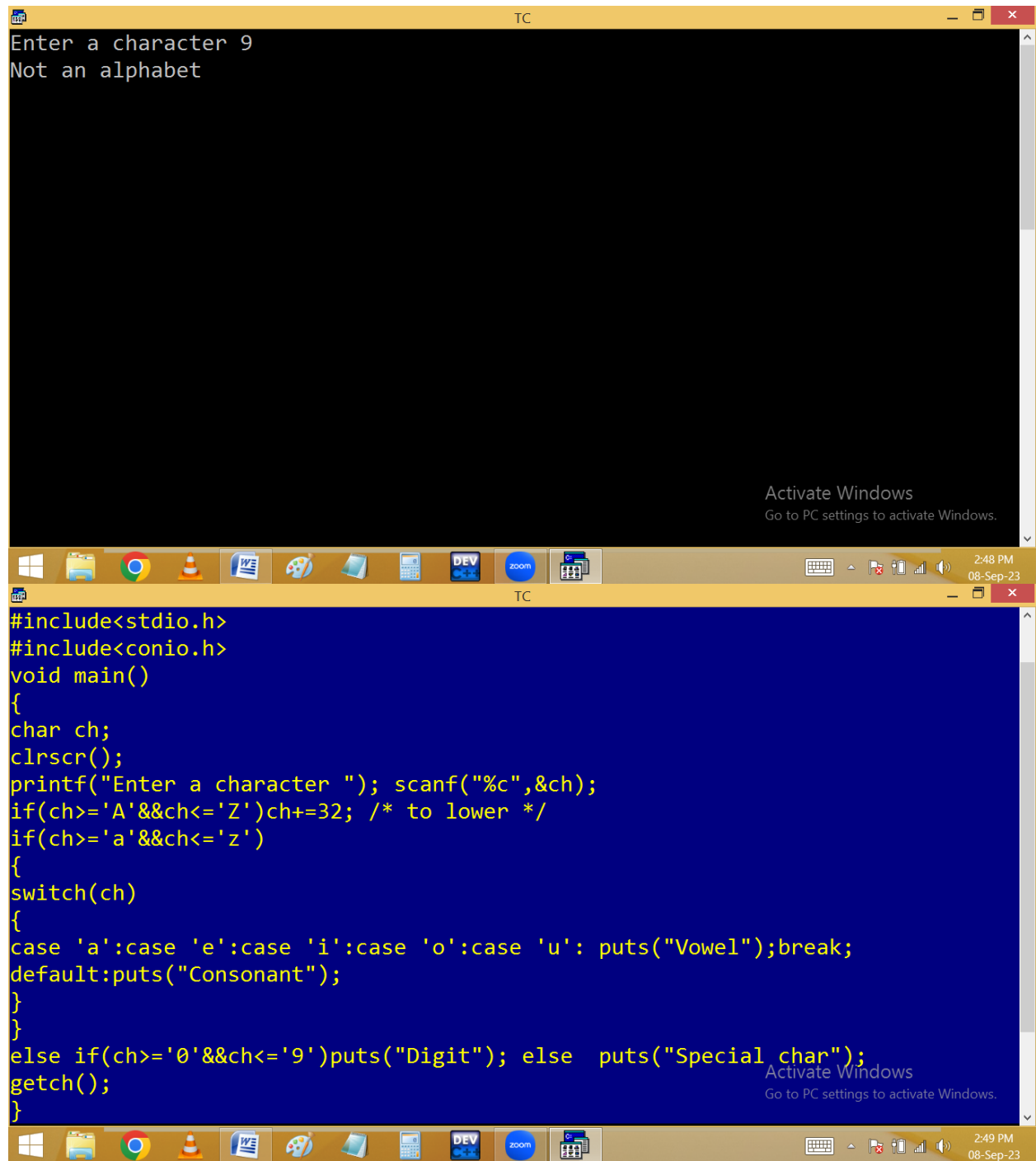
Eg. Finding vowel / consonant using switch:

```c
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
if(ch>='A'&&ch<='Z')ch+=32; /* to lower */
if(ch>='a'&&ch<='z')
{
switch(ch)
{
case 'a':case 'e':case 'i':case 'o':case 'u': puts("Vowel");break;
default:puts("Consonant");
}
}
else puts("Not an alphabet");
getch();
}
```

Enter a character A
Vowel

```
Enter a character u
Vowel
```

```
Enter a character D
Consonant
```

Enter a character *
Not an alphabet
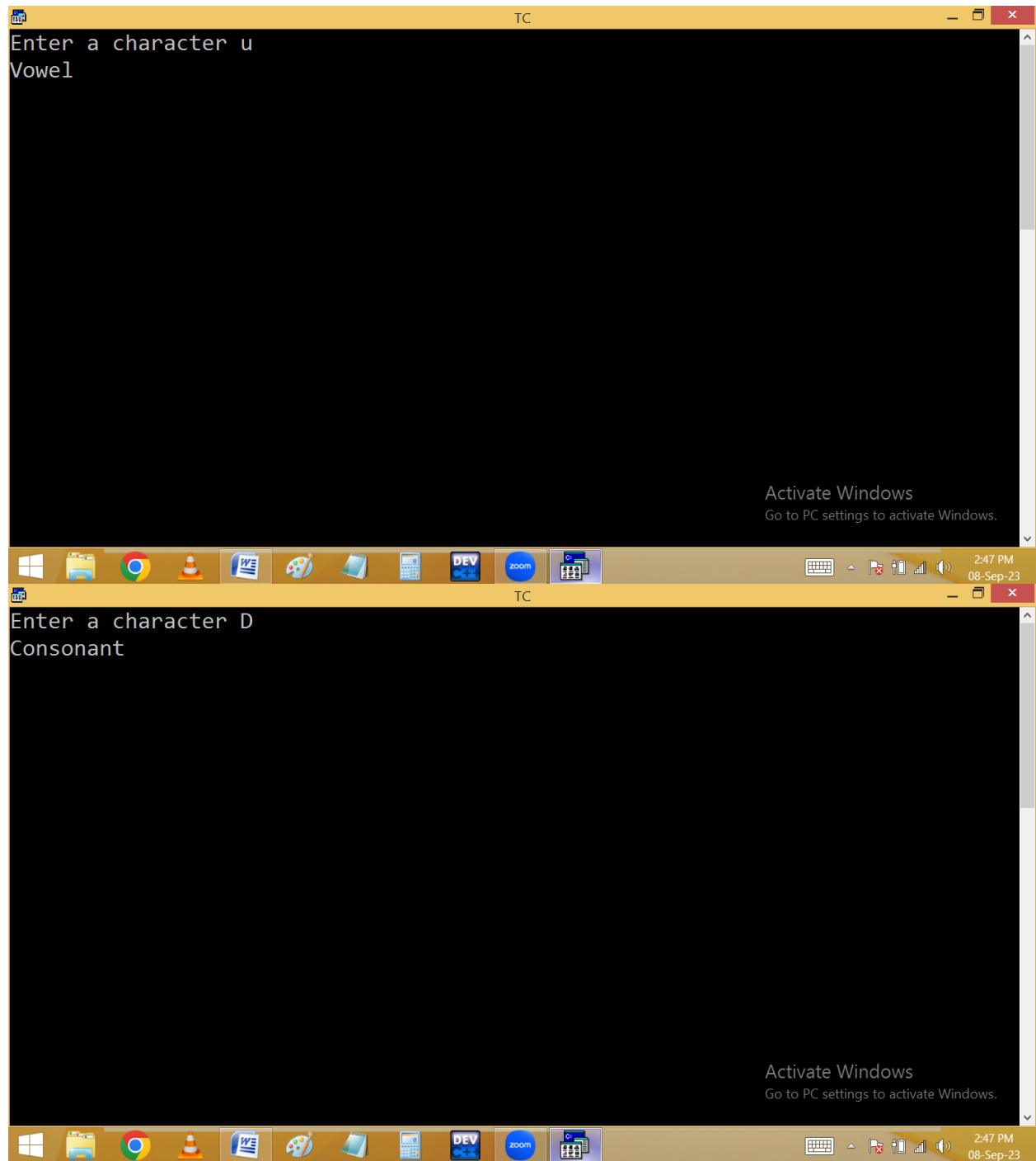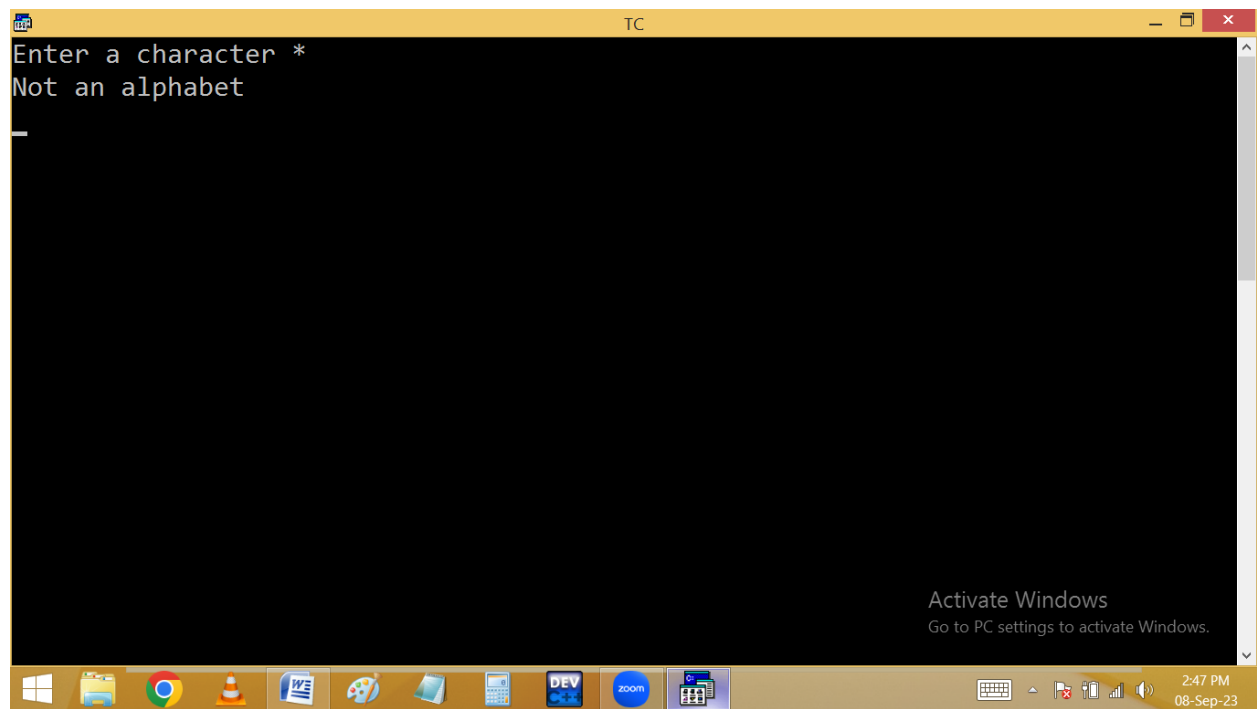
```
Enter a character 9
Not an alphabet
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch);
if(ch>='A'&&ch<='Z')ch+=32; /* to lower */
if(ch>='a'&&ch<='z')
{
switch(ch)
{
case 'a':case 'e':case 'i':case 'o':case 'u': puts("Vowel");break;
default:puts("Consonant");
}
}
else if(ch>='0'&&ch<='9')puts("Digit"); else  puts("Special char");
getch();
}
```

```
Enter a character 3
Digit
```

```
Enter a character $
Special char
```

```
Enter a character o
Vowel
_
```
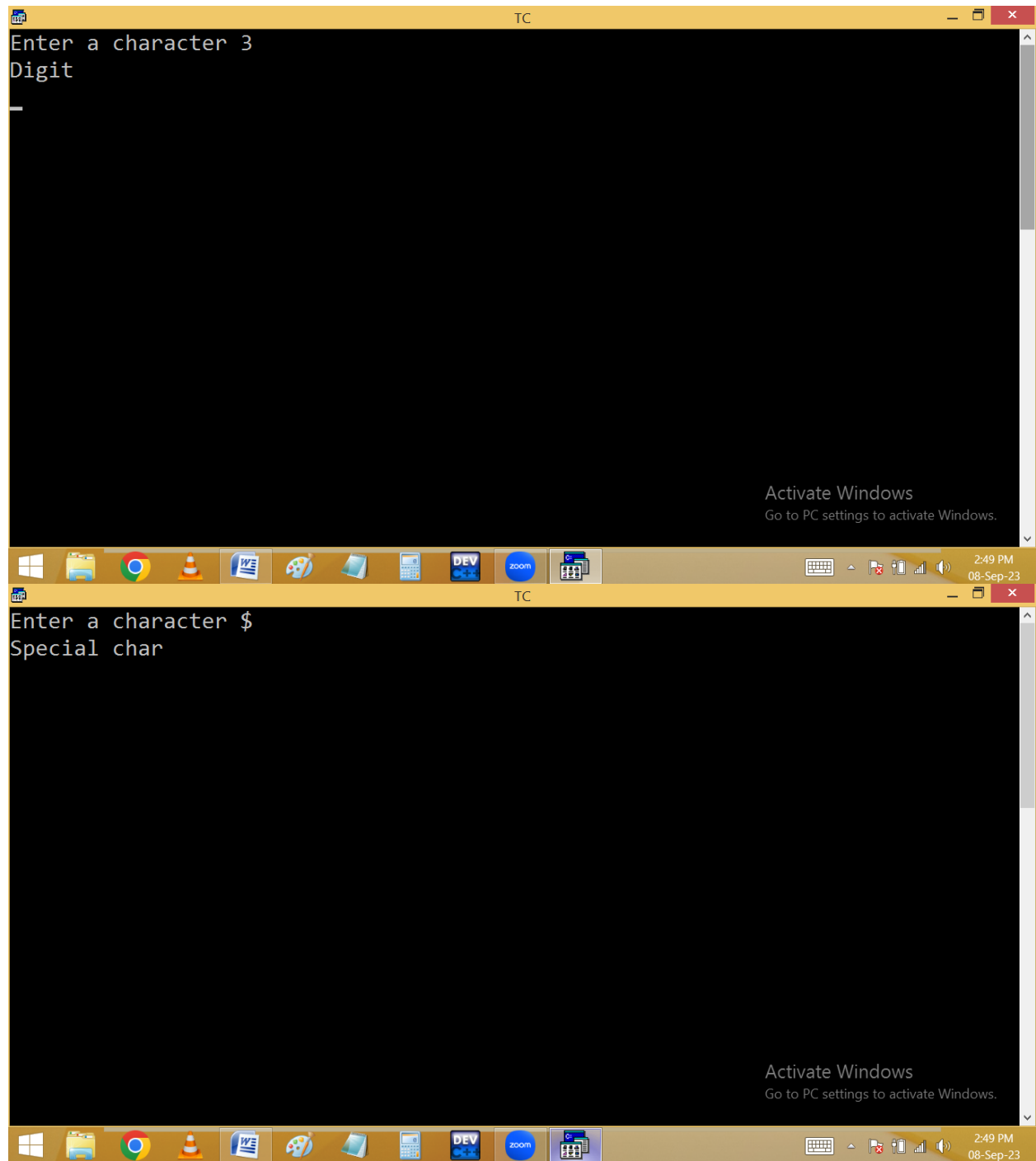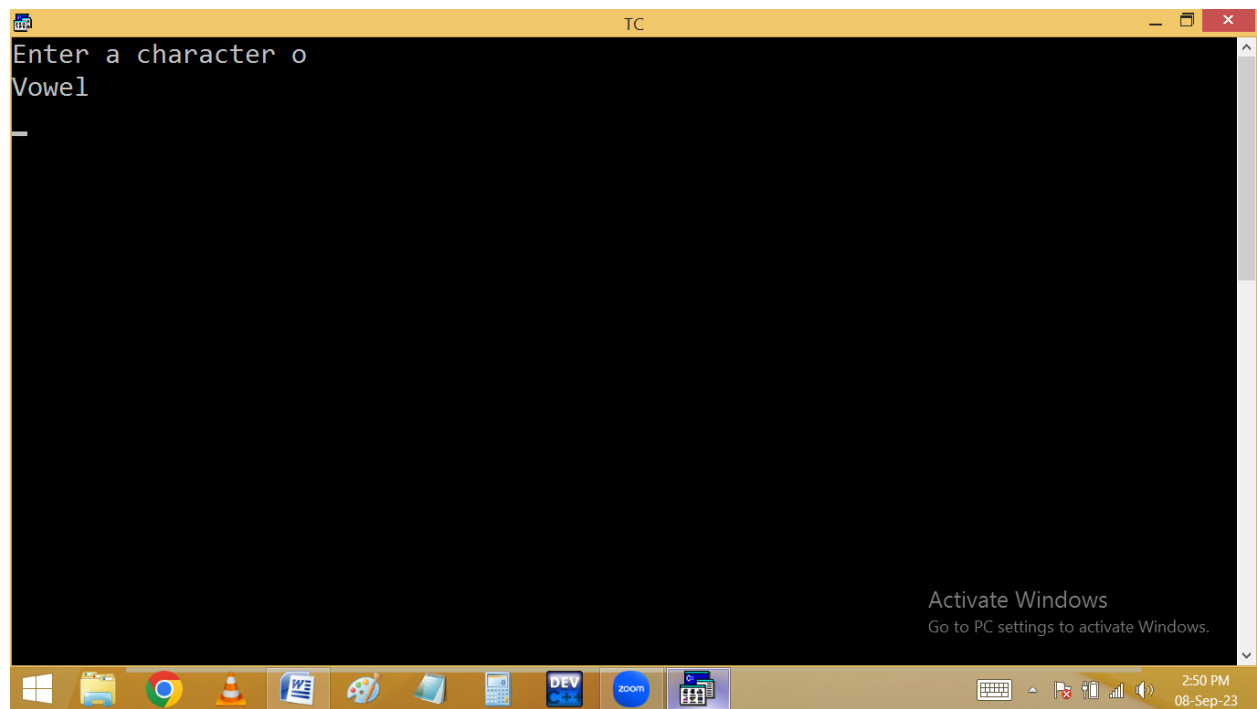
Using predefined functions:

```c
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
void main()
{
char ch;
clrscr();
printf("Enter a character "); scanf("%c",&ch); ch=tolower(ch);
if(islower(ch))
{
switch(ch)
{
case 'a':case 'e':case 'i':case 'o':case 'u': puts("Vowel");break;
default:puts("Consonant");
}
}
else if(isdigit(ch))puts("Digit"); else  puts("Special char");
getch();
}
```

```
Enter a character e
Vowel
```

```
Enter a character r
Consonant
```

```
Enter a character 8
Digit
```

```
Enter a character *
Special char
```
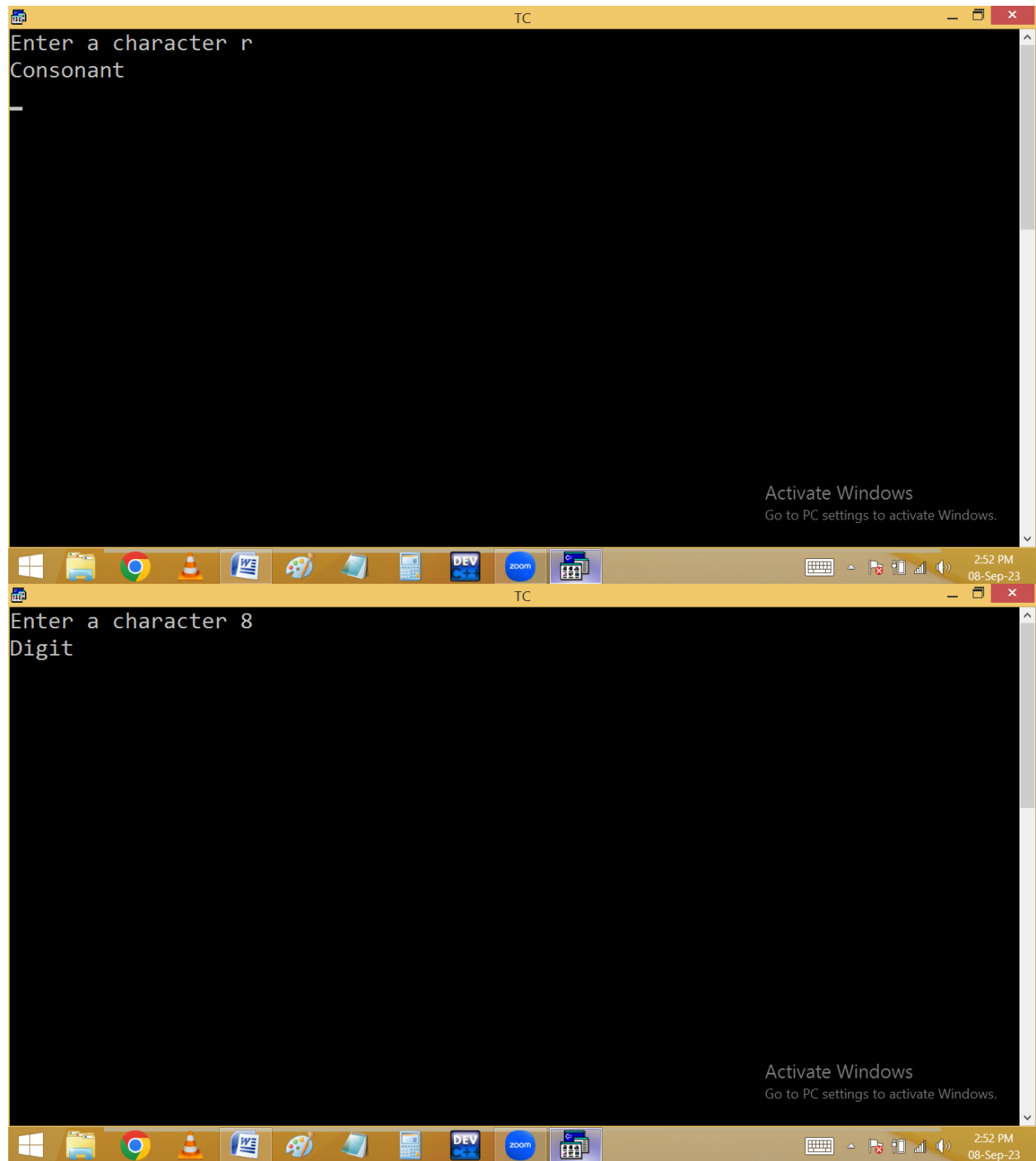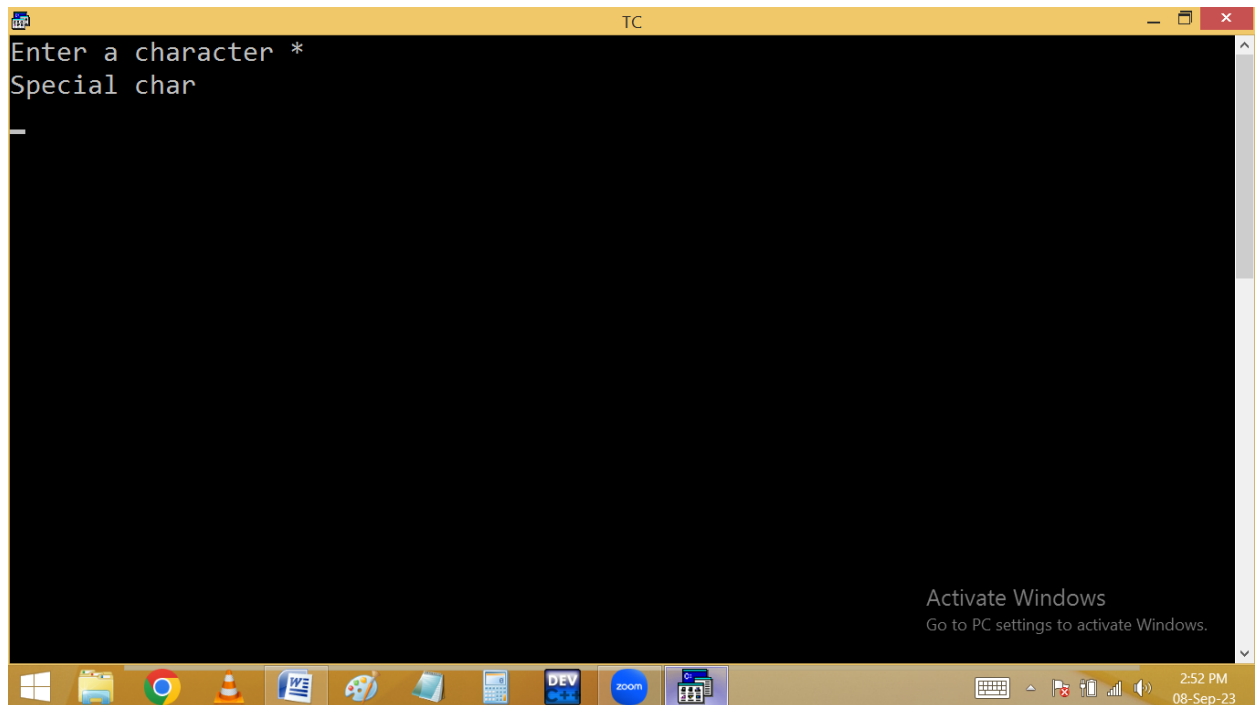
Read two numbers and perform all arithmetic operations using menu program with switch.

Enter two numbers   4 5
M   E   N   U
+. Add - . Sub * . Mul % . Mod / . Div ^ . Pow E . Exit
Enter Ur option[*]   Mul=20

#include<stdio.h>

```c
#include<conio.h>

#include<math.h>

void main()

{

float a,b;

char op;

abc:

clrscr();

puts("-----------------------------------------------------------------");

printf("Enter  two numbers "); scanf("%f %f",&a, &b);

puts("-----------------------------------------------------------------");

puts("\t\t\t M   E   N    U");

puts("-----------------------------------------------------------------");

puts("\t\t\t  + . Add");

puts("\t\t\t  - . Sub");
```

```c
puts("\t\t\t  * . Mul");

puts("\t\t\t  % . Mod");

puts("\t\t\t  / . Div");

puts("\t\t\t  ^ . Pow");

puts("\t\t\t  E . Exit");

puts("---------------------------------------------------------------------------");

printf("\t\t\t Enter Ur Option[ ]\b\b"); flushall();
scanf("%c",&op);

gotoxy(65,18); /* 65-col, 18-row */

switch(op)

{

case  '+': printf("Sum=%.2f",a+b);break;

case  '-': printf("Sub=%.2f",a-b);break;

case  '*': printf("Mul=%.2f",a*b);break;

case  '%': printf("Mod=%.2f",fmod(a,b));break;

case  '/': if(b==0)puts("Zero Divide error"); else
printf("Div=%.2f",a/b);break;
```

```c
case  '^': printf("Power=%.2f",pow(a,b));break;

case  'e':case 'E': return;

default: puts("Invalid selection");

}

getch();

goto  abc;

}
```

```
Enter  two numbers 9.9  6.3
--------------------------------------------------------------
                   M   E   N   U
--------------------------------------------------------------
                      + . Add
                      - . Sub
                      * . Mul
                      % . Mod
                      / . Div
                      ^ . Pow
                      E . Exit
--------------------------------------------------------------
                  Enter Ur Option[%]




                                        Mod=3.60_
```

```
Enter  two numbers 2 5
--------------------------------------------------------------
                   M   E   N   U
--------------------------------------------------------------
                      + . Add
                      - . Sub
                      * . Mul
                      % . Mod
                      / . Div
                      ^ . Pow
                      E . Exit
--------------------------------------------------------------
                  Enter Ur Option[^]




                                        Power=32.00
```
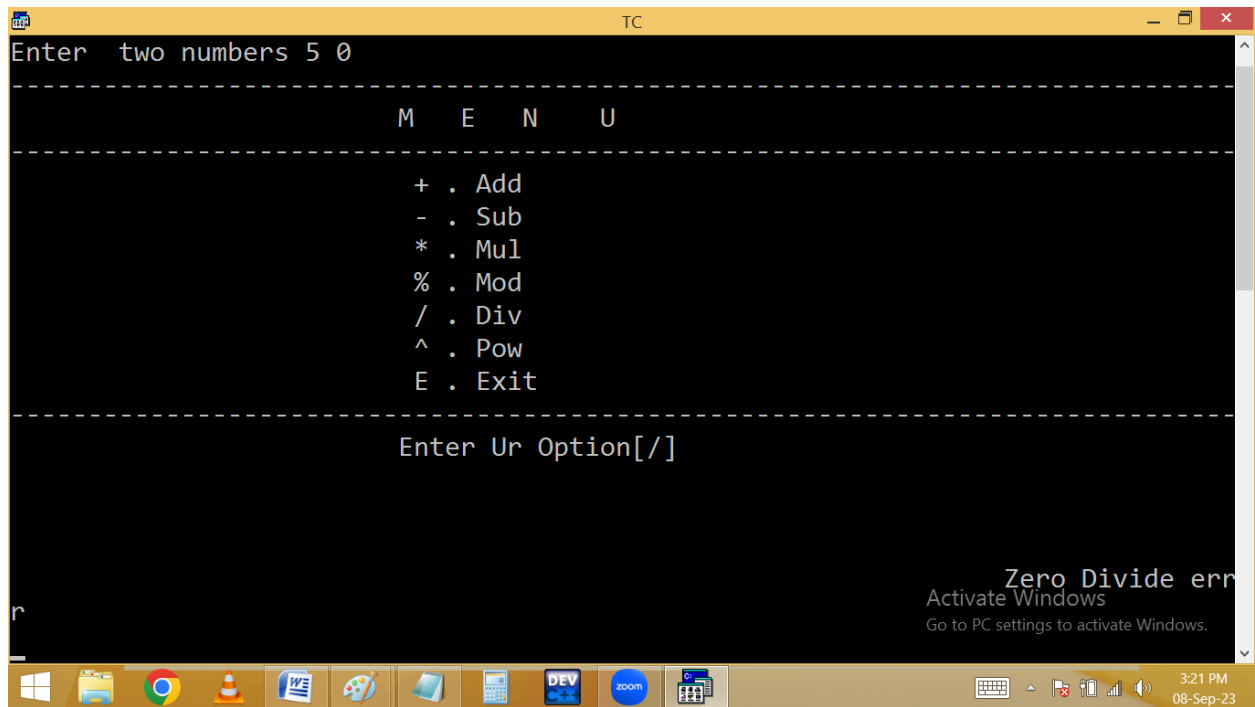
```
                              TC                        _ ☐ ✕
Enter  two numbers 5 0
--------------------------------------------------------------
                    M   E   N   U
--------------------------------------------------------------
                    + . Add
                    - . Sub
                    * . Mul
                    % . Mod
                    / . Div
                    ^ . Pow
                    E . Exit
--------------------------------------------------------------
                    Enter Ur Option[/]


                                        Zero Divide err
                                    Activate Windows
                                    Go to PC settings to activate Windows.
r
```

Hotel Billing program:

```c
#include<stdio.h>

#include<conio.h>

void main()

{

float qty, rate, amt;

int op;

clrscr();

puts("********************************************************************************");
```

```c
puts("\t\t\t  HOTEL SAI BALAJI");

puts("\t\t\t AMEERPET - HYD");

puts("*******************************************************");

puts("\t\t\t 1. Tea - 10/-");

puts("\t\t\t 2. Coffee/Boost/Horlicks/Milk/Water Bottle - 20/-");

puts("\t\t\t 3. Idly / Bonda / Upma / Poha / Plain dosa - 30/-");

puts("\t\t\t 4. Poori / Onion / Masala / Ghee Dosa - 40/-");

puts("\t\t\t 5. veg biryani - 50/-");

puts("\t\t\t 6. Cancel");

puts("\t\t\t 7. Bill");

puts("\t\t\t 8. Close");

puts("*******************************************************");

printf("\t\t\tEnter Ur option [ ]\b\b");scanf("%d",&op);
```

```c
if(op==6)amt=0;

else if(op==8)return;

else if(op==7){printf("Bill amount=%.2f", amt); amt=0; }

else

{

printf("Enter Quantity "); scanf("%f",&qty);

}

switch(op)

{

}

getch();

}
```