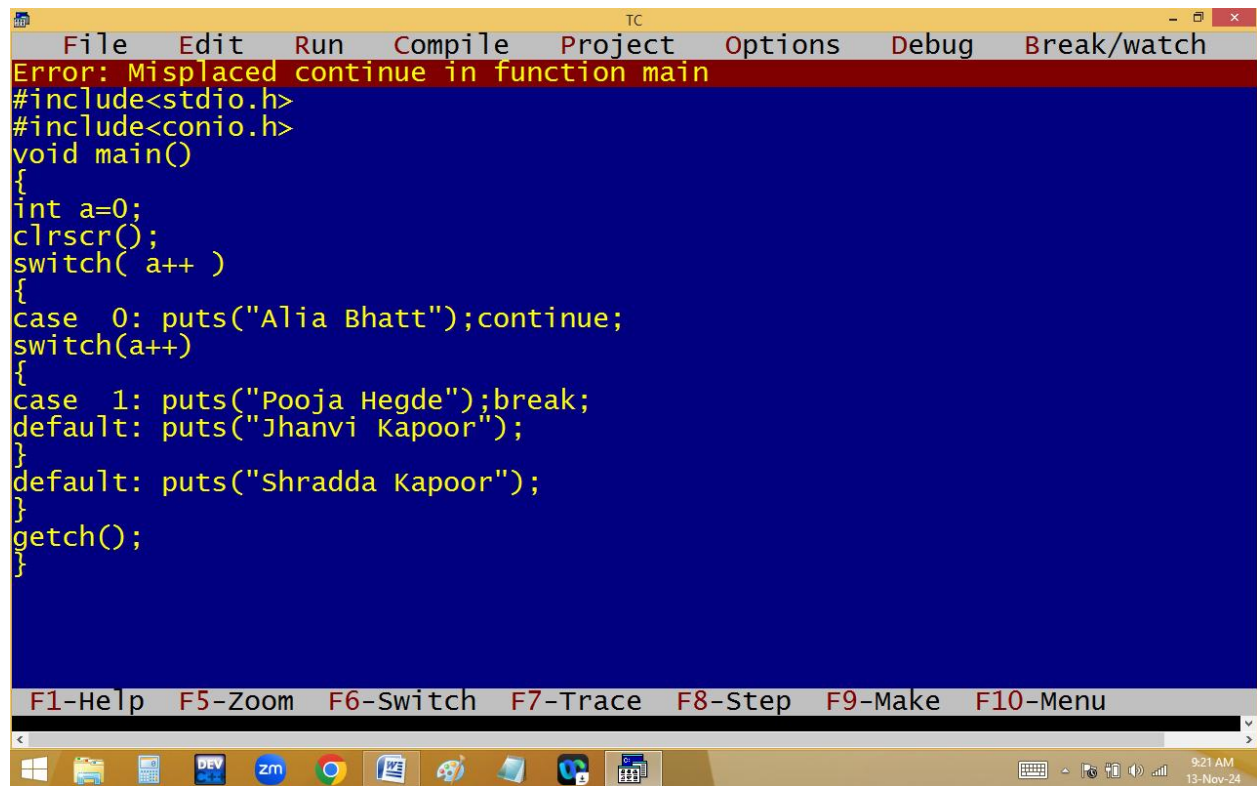


The image shows a screenshot of a Turbo C++ (TC) IDE. The top window is the source code editor, which has a blue background and yellow text. It contains a C program that uses a switch statement to print the names of three actresses: Alia Bhatt, Pooja Hegde, and Shradda Kapoor. The code is as follows:

```
File Edit Run Compile Project Options Debug Break/watch
Line 19 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
switch( a++ )
{
case 0: puts("Alia Bhatt");break;
switch(a++)
{
case 1: puts("Pooja Hegde");break;
default: puts("Jhanvi Kapoor");
}
default: puts("Shradda Kapoor");
}
getch();
}
```

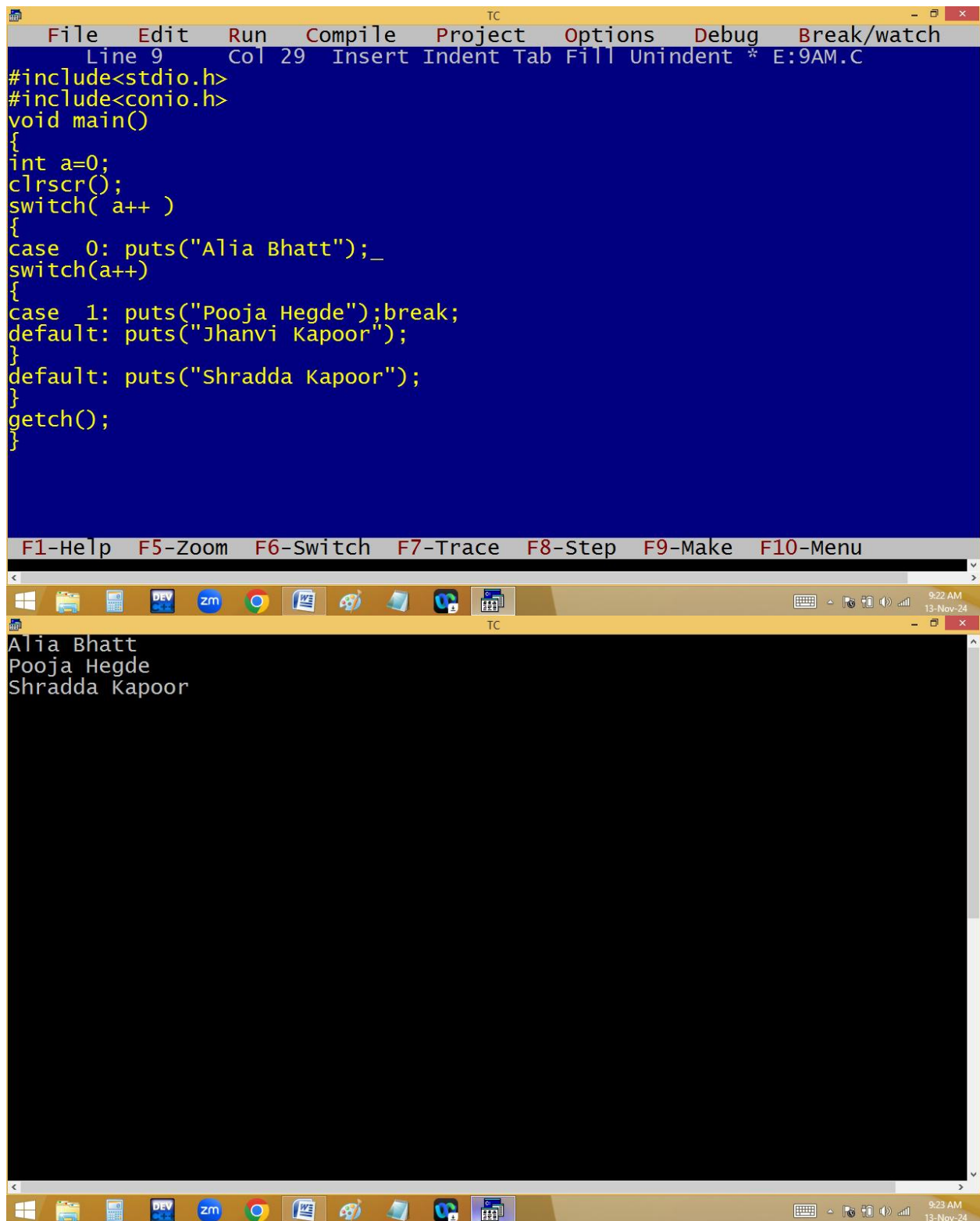
Below the code editor is a toolbar with various function keys: F1-Help, F5-Zoom, F6-Switch, F7-Trace, F8-Step, F9-Make, and F10-Menu. The bottom window is the output console, which has a black background and white text. It displays the output of the program: "Alia Bhatt". The Windows taskbar is visible at the bottom of the screen, showing the time as 9:20 AM on 13-Nov-24.



The image shows a screenshot of the Turbo C++ (TC) IDE. The title bar at the top reads "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Break/watch". A red error message banner at the top states "Error: Misplaced continue in function main". The main editing area has a blue background and contains the following C code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
switch( a++ )
{
case 0: puts("Alia Bhatt");continue;
switch(a++)
{
case 1: puts("Pooja Hegde");break;
default: puts("Jhanvi Kapoor");
}
default: puts("Shradda Kapoor");
}
getch();
}
```

Below the code editor is a toolbar with function key shortcuts: F1-Help, F5-Zoom, F6-Switch, F7-Trace, F8-Step, F9-Make, and F10-Menu. The Windows taskbar at the bottom shows various application icons and the system clock indicating 9:21 AM on 13-Nov-24.



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with a switch statement. The code is as follows:

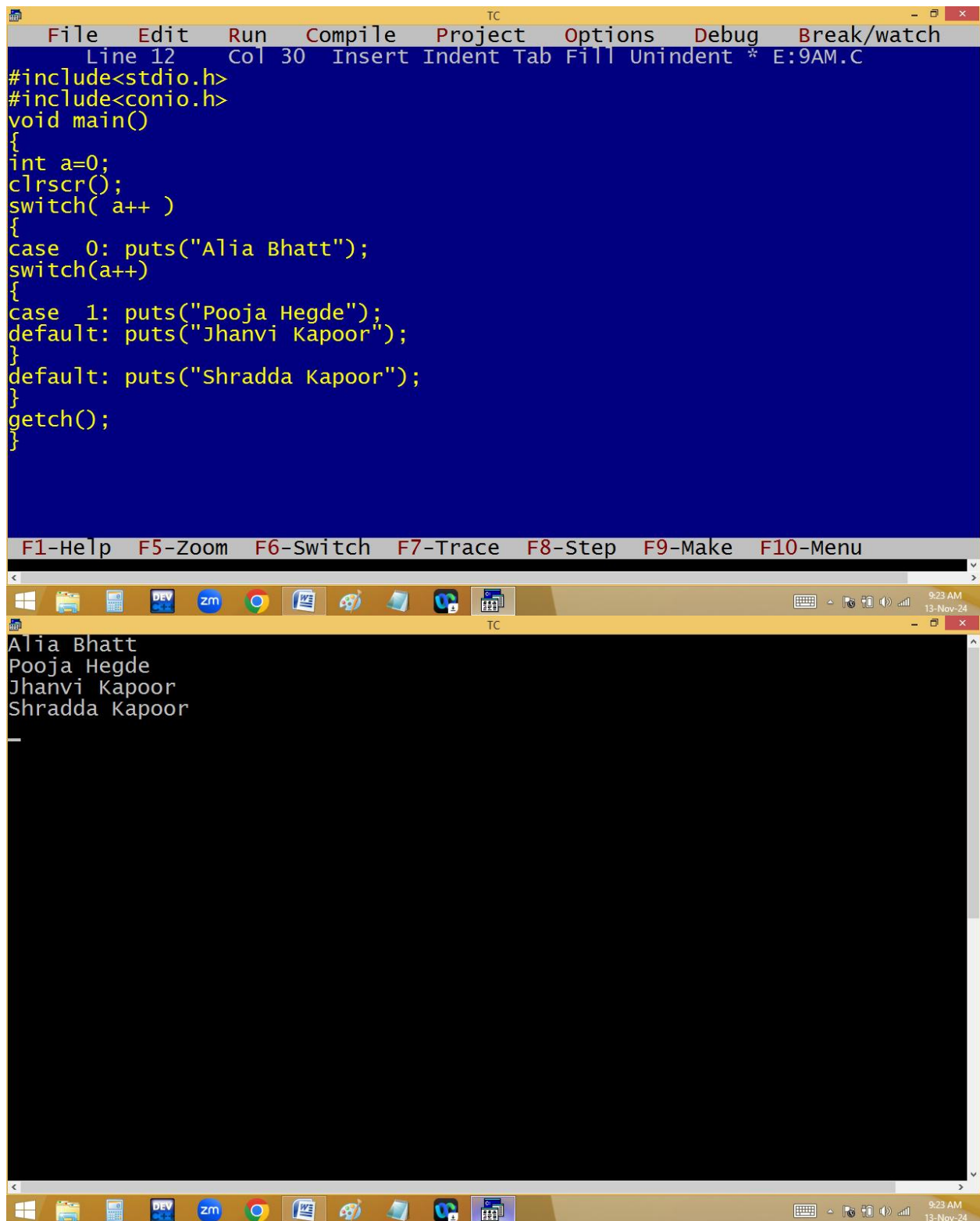
```
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 29 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
switch( a++ )
{
case 0: puts("Alia Bhatt");_
switch(a++)
{
case 1: puts("Pooja Hegde");break;
default: puts("Jhanvi Kapoor");
}
default: puts("Shradda Kapoor");
}
getch();
}
```

Below the code editor, a function key bar shows shortcuts: F1-Help, F5-Zoom, F6-Switch, F7-Trace, F8-Step, F9-Make, F10-Menu.

The bottom window shows the output of the program:

```
TC
Alia Bhatt
Pooja Hegde
Shradda Kapoor
```

The Windows taskbar at the bottom includes icons for File Explorer, DEV C++, Zoom, Google Chrome, and other applications. The system clock in the bottom right corner shows 9:22 AM and 9:23 AM on 13-Nov-24.



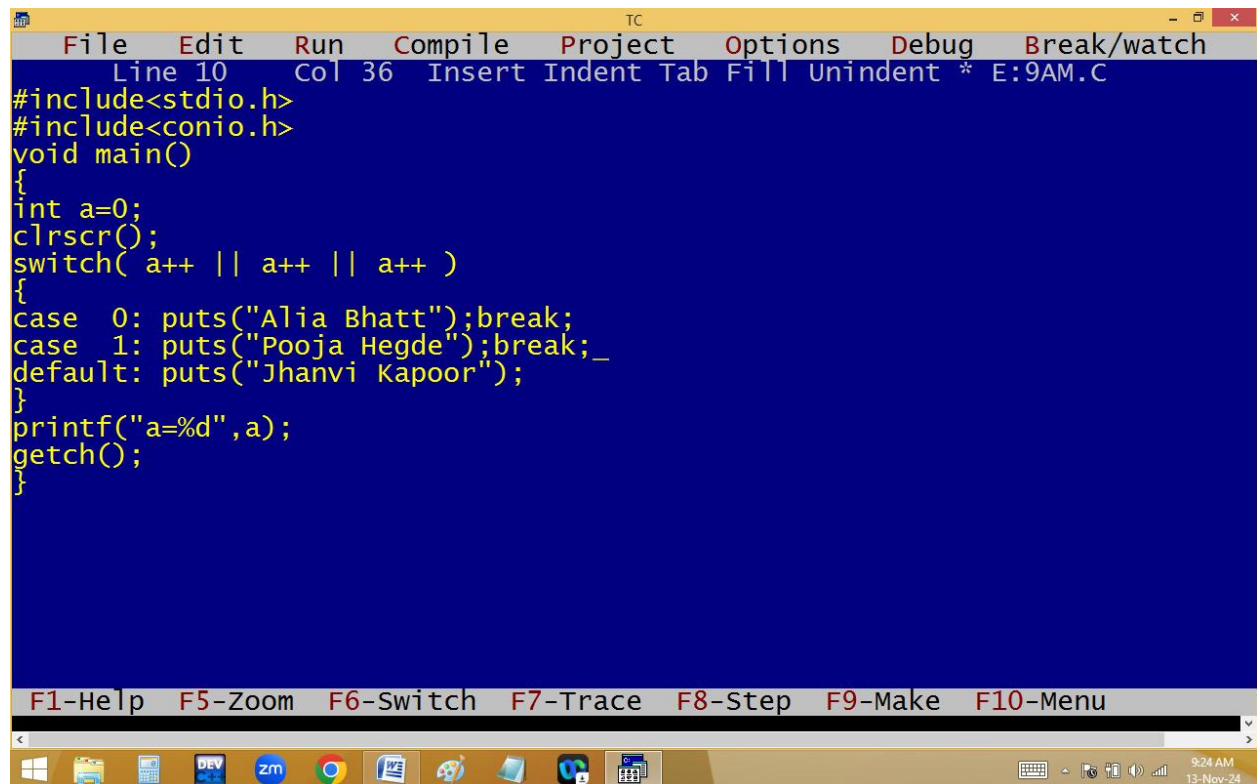
The image shows a screenshot of a Turbo C++ IDE. The top window is the source code editor, which has a blue background and yellow text. It contains a C program that uses a switch statement to print the names of four actresses. The code is as follows:

```
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 30 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
switch( a++ )
{
case 0: puts("Alia Bhatt");
switch(a++)
{
case 1: puts("Pooja Hegde");
default: puts("Jhanvi Kapoor");
}
default: puts("Shradda Kapoor");
}
getch();
}
```

Below the code editor is a toolbar with various icons and a status bar. The bottom window is the output console, which has a black background and white text. It displays the output of the program, which is the names of the four actresses, one on each line:

```
Alia Bhatt
Pooja Hegde
Jhanvi Kapoor
Shradda Kapoor
```

The Windows taskbar is visible at the bottom of the screen, showing the Start button, several application icons, and the system clock indicating 9:23 AM on 13-Nov-24.



The image shows a screenshot of the Turbo C++ (TC) IDE. The window title is "TC". The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates "Line 10", "Col 36", and "Insert Indent Tab Fill Unindent * E:9AM.C". The main editing area has a blue background and contains the following C code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
switch( a++ || a++ || a++ )
{
case 0: puts("Alia Bhatt");break;
case 1: puts("Pooja Hegde");break;_
default: puts("Jhanvi Kapoor");
}
printf("a=%d",a);
getch();
}
```

Below the code editor, there is a toolbar with function key shortcuts: F1-Help, F5-Zoom, F6-Switch, F7-Trace, F8-Step, F9-Make, and F10-Menu. At the bottom, the Windows taskbar is visible with icons for the Start menu, File Explorer, DEV C++, Zoom, Google Chrome, and other applications. The system clock in the bottom right corner shows "9:24 AM" and "13-Nov-24".

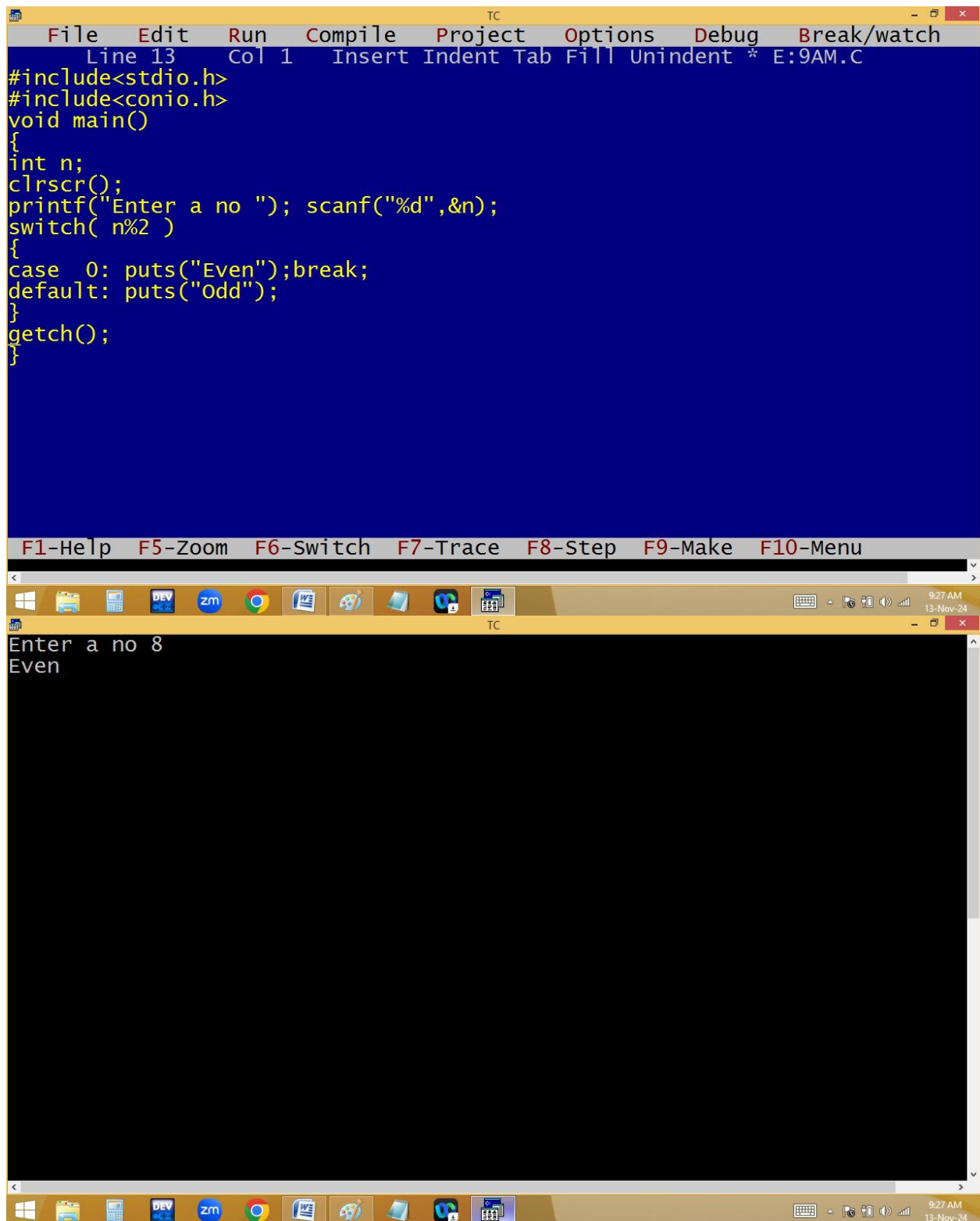
```
Pooja Hegde
a=2_
```

`a=0;`

`switch(a++ || a++ || a++)`

Handwritten annotations: Red arrows point to the first `a++` (labeled 1), the `-` (labeled 2), and the `||` operators. Below the code, a red diagram shows a horizontal line with a `0` on the left and three `1`'s on the right, with an arrow pointing from the `0` to the first `a++` in the code above.

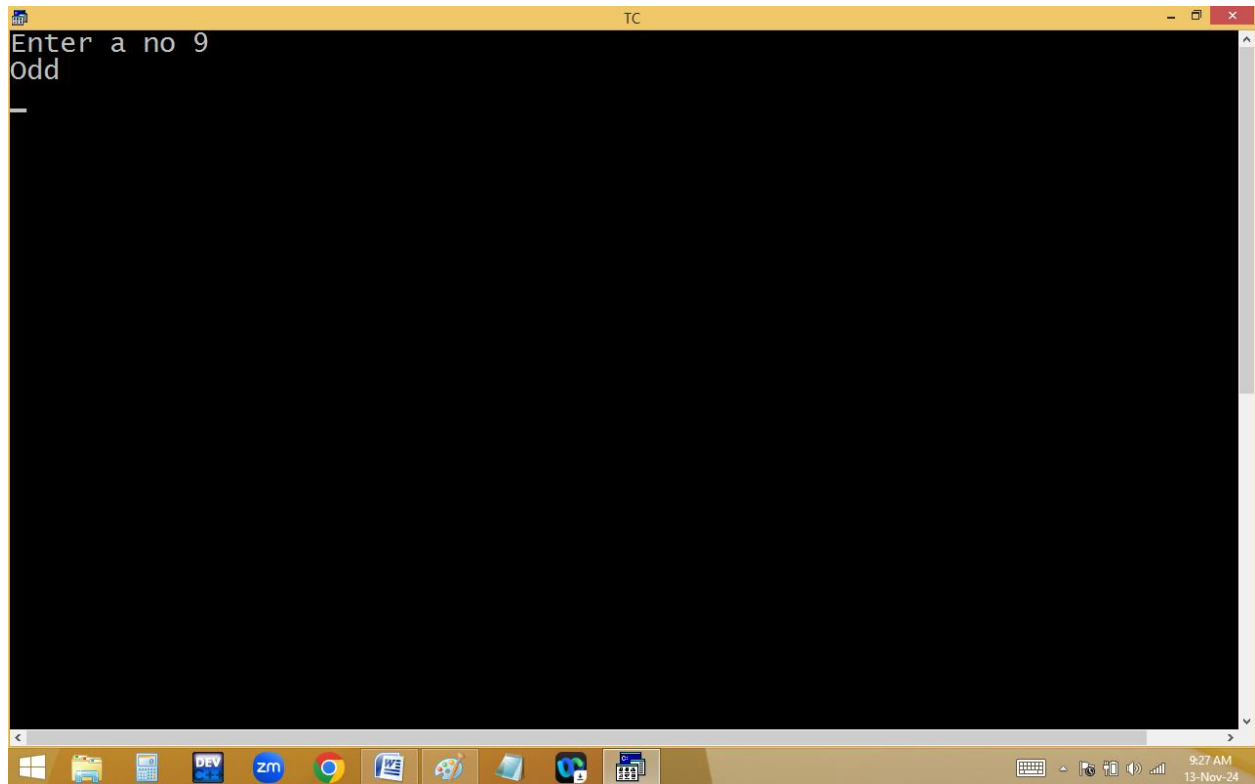
Finding even/odd using
switch:



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 13 Col 1 Insert Indent Tab Fill Unindent * E:9AM.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();
}
```

F1-Help F5-Zoom F6-Switch F7-Trace F8-Step F9-Make F10-Menu

Enter a no 8
Even



Finding weekday name:

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program for validating a day number. The code is as follows:

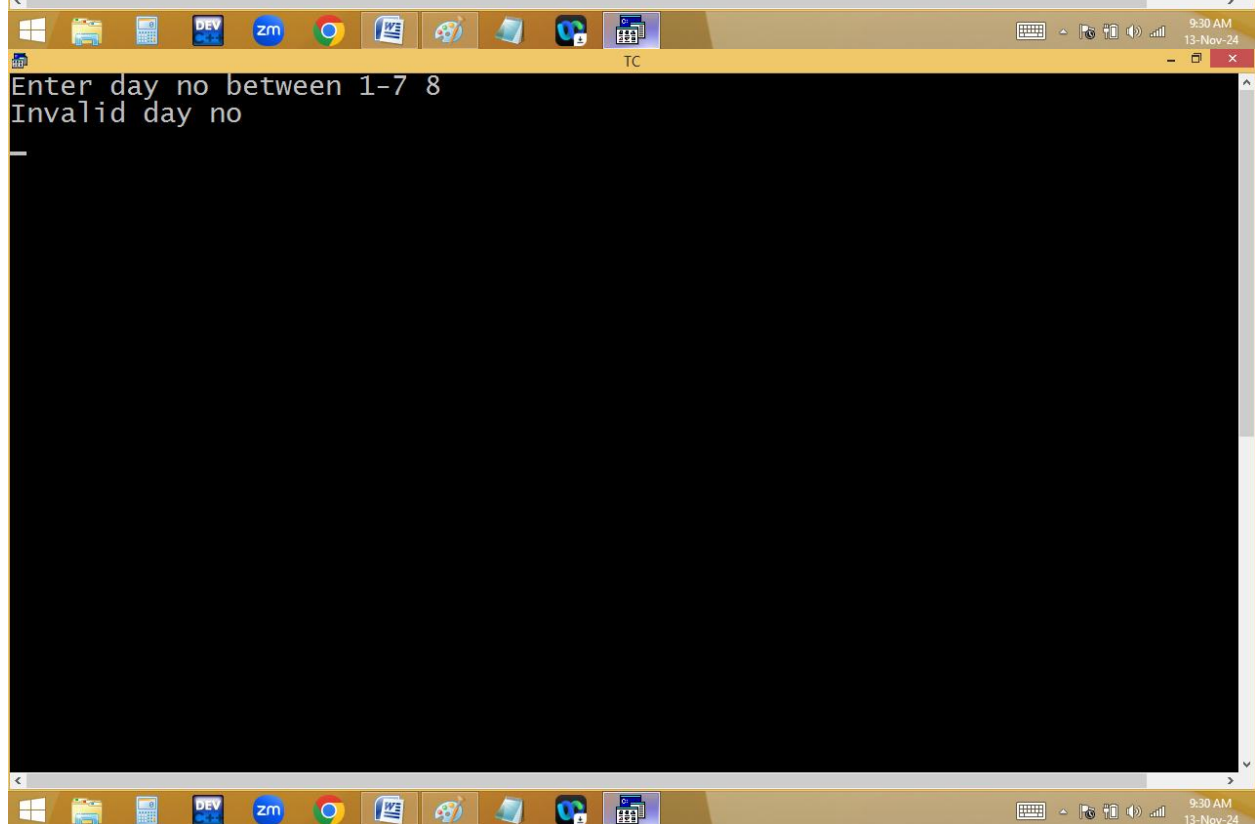
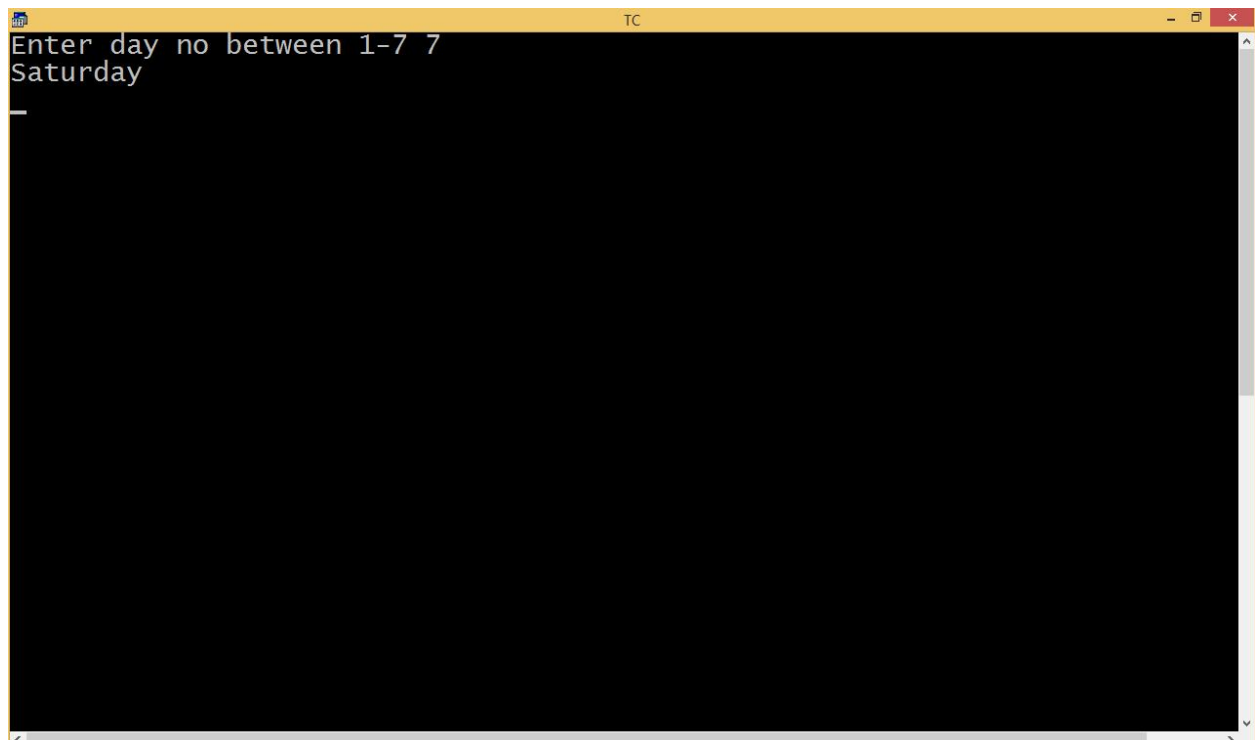
```
File Edit Run Compile Project Options Debug Break/watch
Line 13 Col 30 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter day no between 1-7 "); scanf("%d",&n);
switch( n )
{
case 1: puts("Sunday");break;
case 2: puts("Monday");break;
case 7: puts("Saturday");break;
default: puts("Invalid day no");
}
getch();
}
```

Below the code editor, a status bar shows function key shortcuts: F1-Help, F5-Zoom, F6-Switch, F7-Trace, F8-Step, F9-Make, F10-Menu.

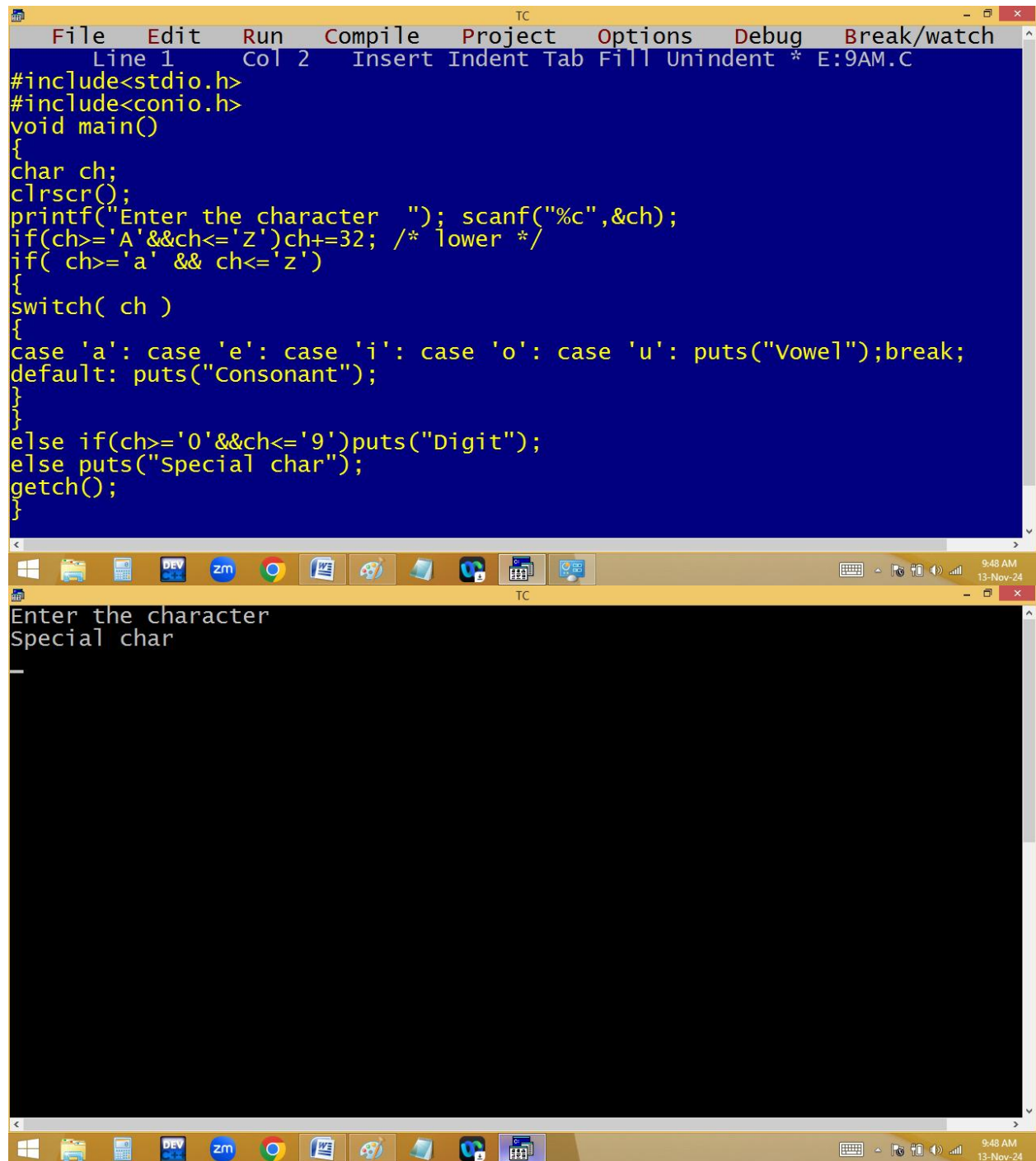
The bottom window shows the program's execution. It prompts the user to "Enter day no between 1-7" and shows the input "1", resulting in the output "Sunday".

```
Enter day no between 1-7 1
Sunday
```

The Windows taskbar at the bottom includes icons for various applications and the system clock, which shows 9:30 AM on 13-Nov-24.

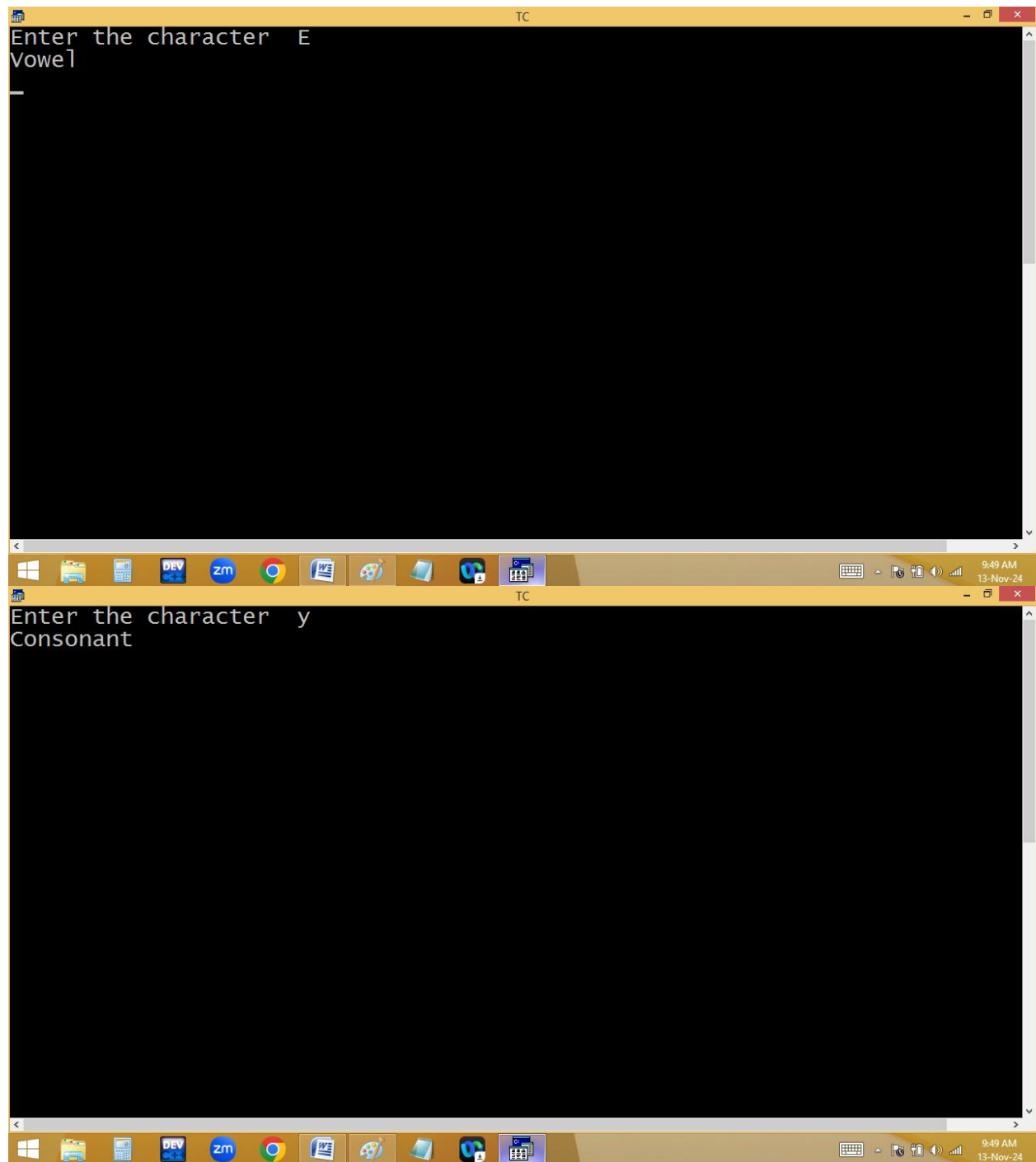


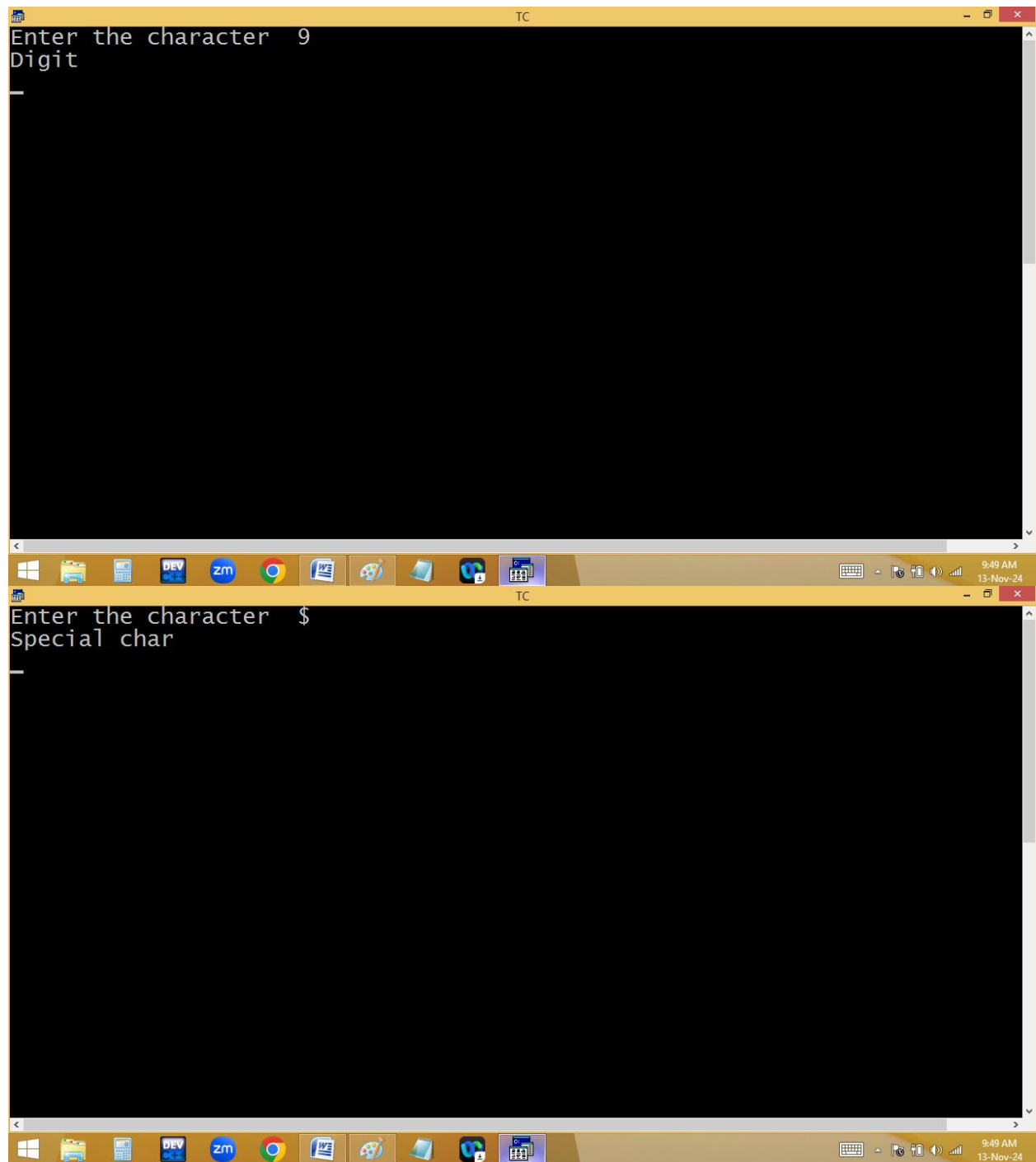
Finding vowel/consonant using switch:



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 1 Col 2 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter the character "); scanf("%c",&ch);
if(ch>='A'&&ch<='Z')ch+=32; /* 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();
}
```

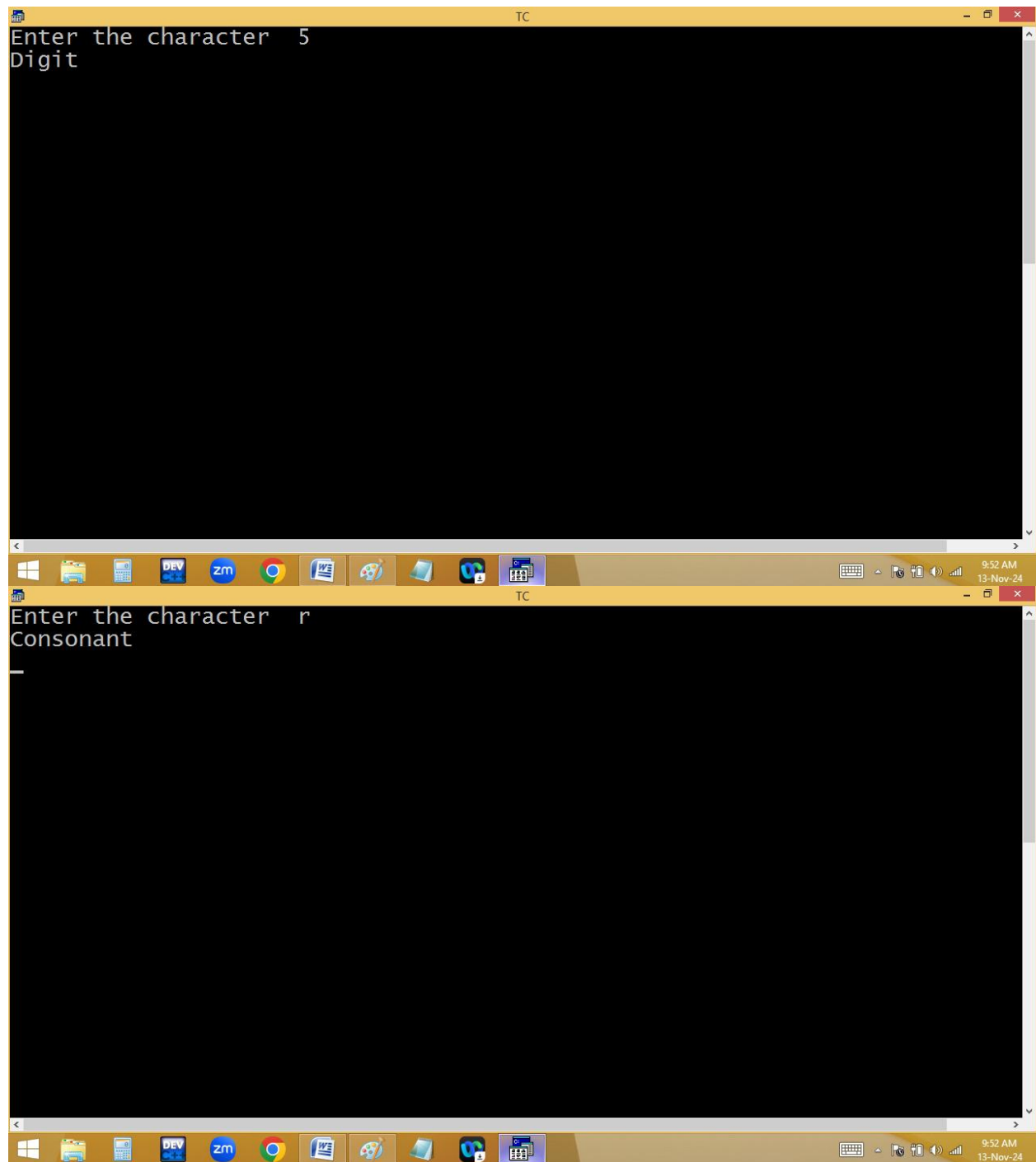
Enter the character
Special char



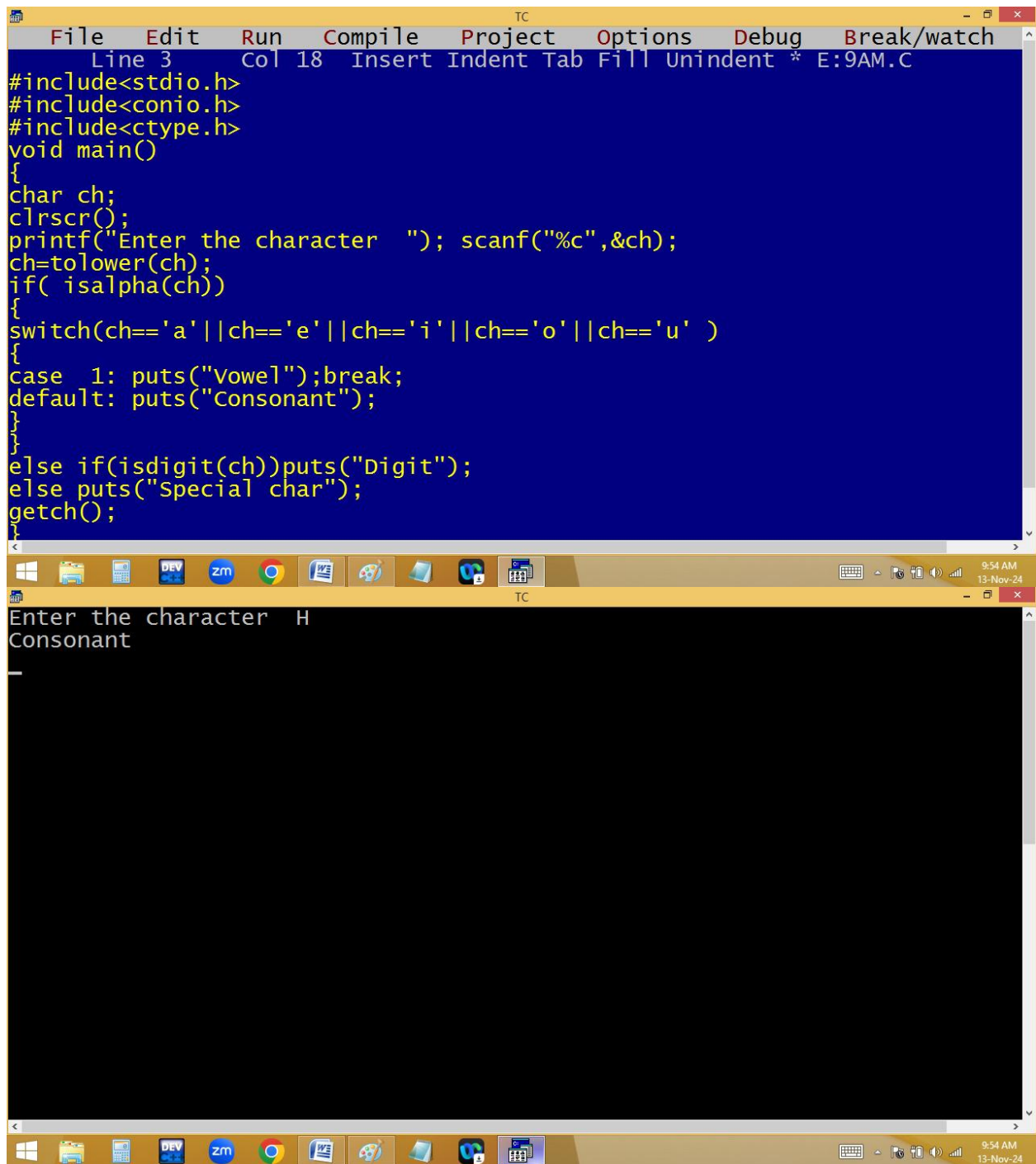


```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 13 Col 7 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter the character "); scanf("%c",&ch);
if(ch>='A'&&ch<='Z')ch+=32; /* lower */
if( ch>='a' && ch<='z')
{
switch(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' )
{
case 1: puts("Vowel");break;
default: puts("Consonant");
}
}
else if(ch>='0'&&ch<='9')puts("Digit");
else puts("Special char");
getch();
}
```

Enter the character i
Vowel

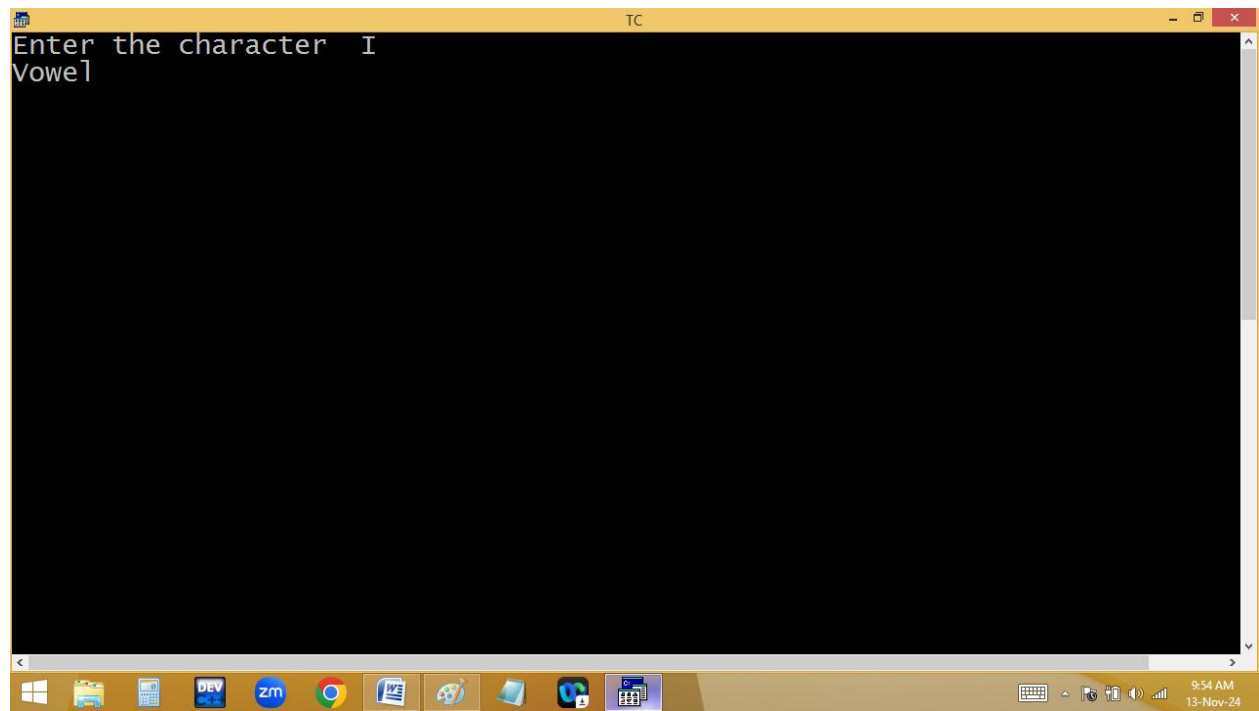


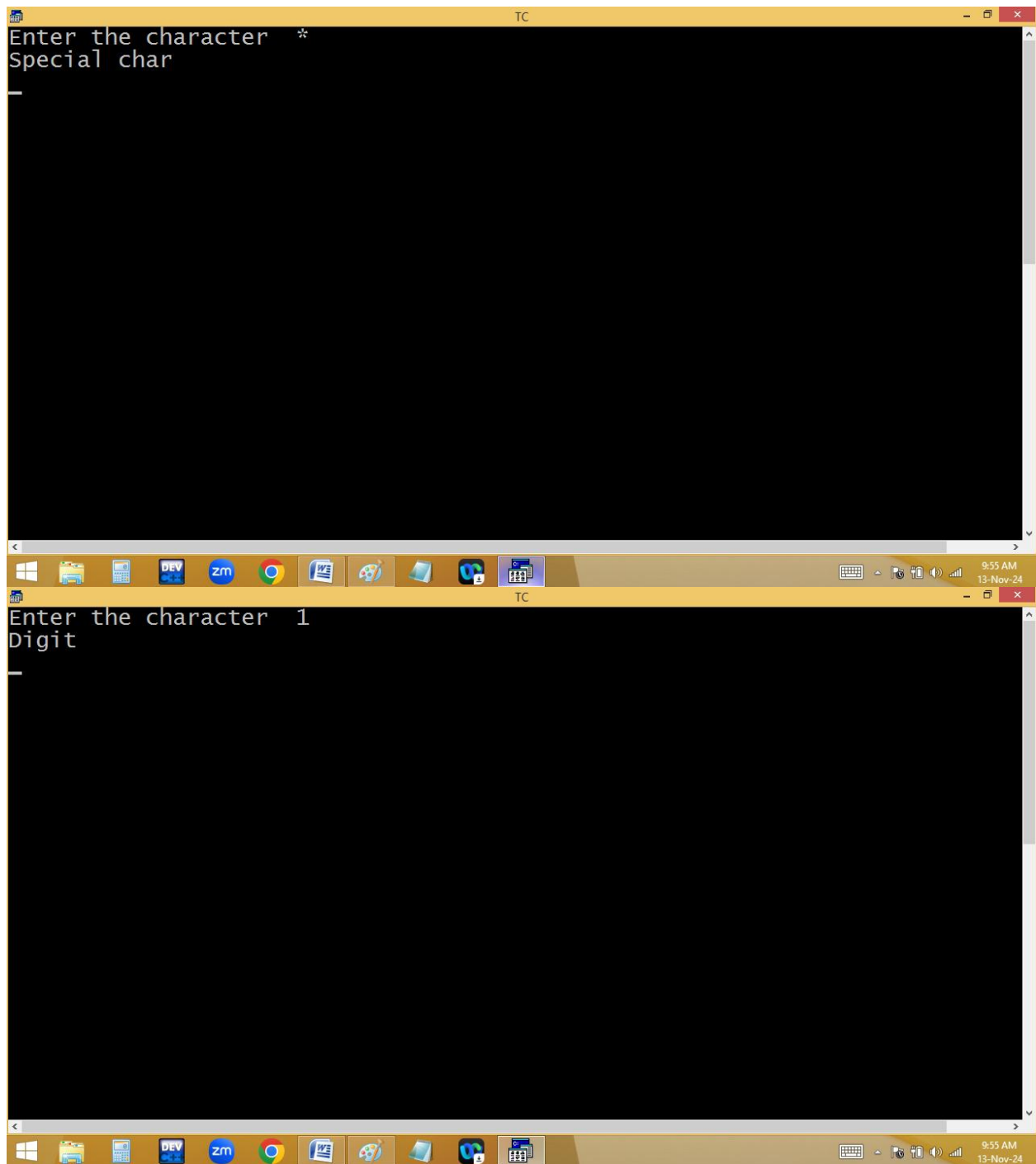
Using predefined functions:



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 3 Col 18 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
void main()
{
char ch;
clrscr();
printf("Enter the character "); scanf("%c",&ch);
ch=tolower(ch);
if( isalpha(ch))
{
switch(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' )
{
case 1: puts("Vowel");break;
default: puts("Consonant");
}
}
else if(isdigit(ch))puts("Digit");
else puts("Special char");
getch();
}
```

Enter the character H
Consonant





Create a hotel menu program for billing:

<p align="center">HOTEL SAIKRISH AMEERPET-HYD</p>
<p>1. Tea - 10/- 2. Coffee / Milk / Boost / Lemon tea / water bottler - 20/- 3. Idly / Bonda / poha / upma / plain dosa - 30/- 4. sambar idly / onion / masala dosa / wada / poori - 40/- 5. sambar wada / paneer dosa / veg biryani - 50/- 6. Bill 7. Cancel 8. Close</p>
<p>Select the item [] Enter Quantity</p>

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
int qty, op, amt=0;
```

```
xyz:
```

```
clrscr();
```

```
puts("*****  

*****");
```

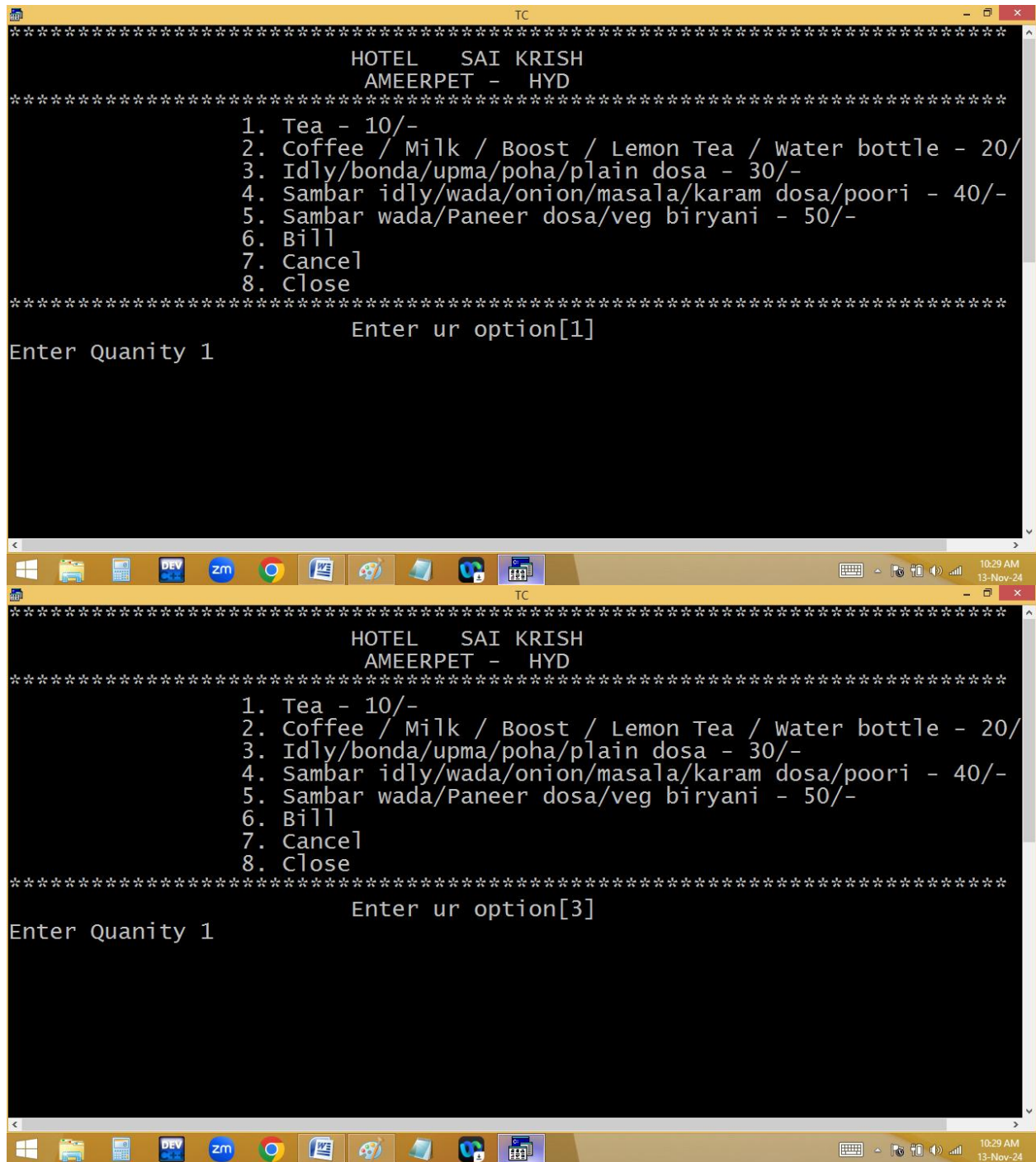
```
puts("\t\t\t HOTEL SAI KRISH ");
```

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

```
puts("*****  
*****");  
  
puts("\t\t 1. Tea - 10/-");  
  
puts("\t\t 2. Coffee / Milk / Boost / Lemon Tea / Water  
bottle - 20/-");  
  
puts("\t\t 3. Idly/bonda/upma/poha/plain dosa - 30/-");  
  
puts("\t\t 4. Sambar idly/wada/onion/masala/karam  
dosa/poori - 40/-");  
  
puts("\t\t 5. Sambar wada/Paneer dosa/veg biryani - 50/-  
");  
  
puts("\t\t 6. Bill");  
  
puts("\t\t 7. Cancel");  
  
puts("\t\t 8. Close");  
  
puts("*****  
*****");  
  
printf("\t\t\t Enter ur option[ ]\b\b");  
  
scanf("%d",&op);  
  
if(op>=1 && op<=5)
```

```
{  
printf("Enter Quantity "); scanf("%d",&qty);  
}  
  
switch(op)  
{  
case 1: amt+=qty*10; break;  
case 2: amt+=qty*20; break;  
case 3: amt+=qty*30; break;  
case 4: amt+=qty*40; break;  
case 5: amt+=qty*50; break;  
case 6: printf("Ur bill is %d",amt); amt=0;getch();break;  
case 7: printf("Ur bill cancelled",amt=0);getch(); break;  
case 8: return;  
}  
  
goto xyz;  
}
```


```
TC
*****
HOTEL SAI KRISH
AMEERPET - HYD
*****
1. Tea - 10/-
2. Coffee / Milk / Boost / Lemon Tea / Water bottle - 20/-
3. Idly/bonda/upma/poha/plain dosa - 30/-
4. Sambar idly/wada/onion/masala/karam dosa/poori - 40/-
5. Sambar wada/Paneer dosa/veg biryani - 50/-
6. Bill
7. Cancel
8. Close
*****
Enter ur option[8]
```



```
TC
*****
HOTEL SAI KRISH
AMEERPET - HYD
*****
1. Tea - 10/-
2. Coffee / Milk / Boost / Lemon Tea / Water bottle - 20/
3. Idly/bonda/upma/poha/plain dosa - 30/-
4. Sambar idly/wada/onion/masala/karam dosa/poori - 40/-
5. Sambar wada/Paneer dosa/veg biryani - 50/-
6. Bill
7. Cancel
8. Close
*****
Enter ur option[6]
Ur bill is 40_
```


Read two numbers and perform arithmetic operations using a menu.

Enter two numbers 2 7	
M E N U	
+ . Add - . Sub * . Mul % . Mod / . Div ^ Pow E . Exit	
Enter Ur option[*]	Product = 14



```
#include<stdio.h>
```

```
#include<conio.h>
```

```
#include<stdlib.h>
```

```
#include<math.h>
```

```
void main()
```

```
{
```

```
float a,b;
```

```
char op;
```

```
start:
```

```
clrscr();
```

```
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");  
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("-----");  
flushall();  
printf("\t\t\t Enter Ur option[ ]\b\b");scanf("%c",&op);  
gotoxy(60,19);  
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 '/': printf("Div=%.2f",a/b);break;
case '^': printf("Pow=%.2f",pow(a,b));break;
case 'e': case 'E': exit(0);
default: puts("Invalid option");
}

getch();

goto start;
}
```

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

Pow=32.00_
```

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

