

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Expression syntax in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch( )
default: printf("Hi");
getch();
}
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Default outside of switch in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
default: printf("Hi");
getch();
}
```

The image displays two windows titled "TC" (Turbo C/C++) running on a Windows operating system. Both windows have a menu bar with File, Edit, Run, Compile, Project, Options, Debug, and Break/watch.

**Top Window (Screenshot 1):**

- Menu Bar: File, Edit, Run, Compile, Project, Options, Debug, Break/watch
- Message Bar: Error: Case outside of switch in function main
- Code:

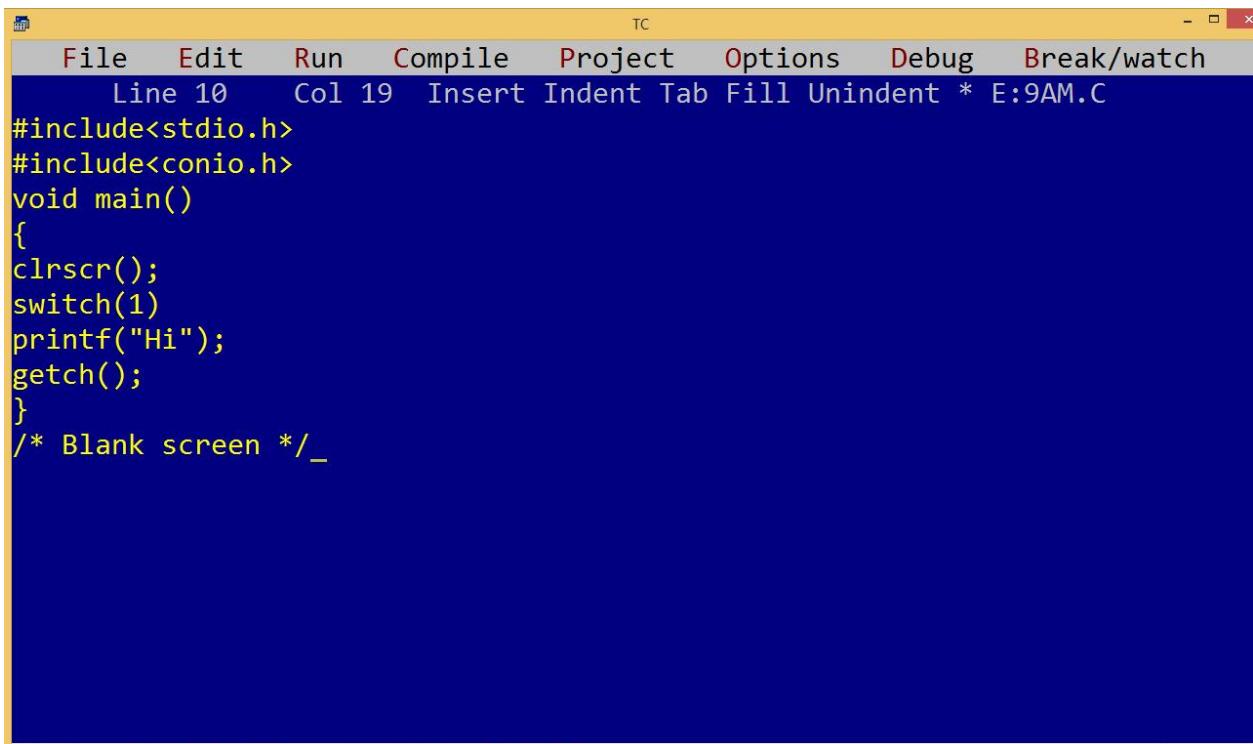
```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
case 1: printf("Hi");
getch();
}
```

**Bottom Window (Screenshot 2):**

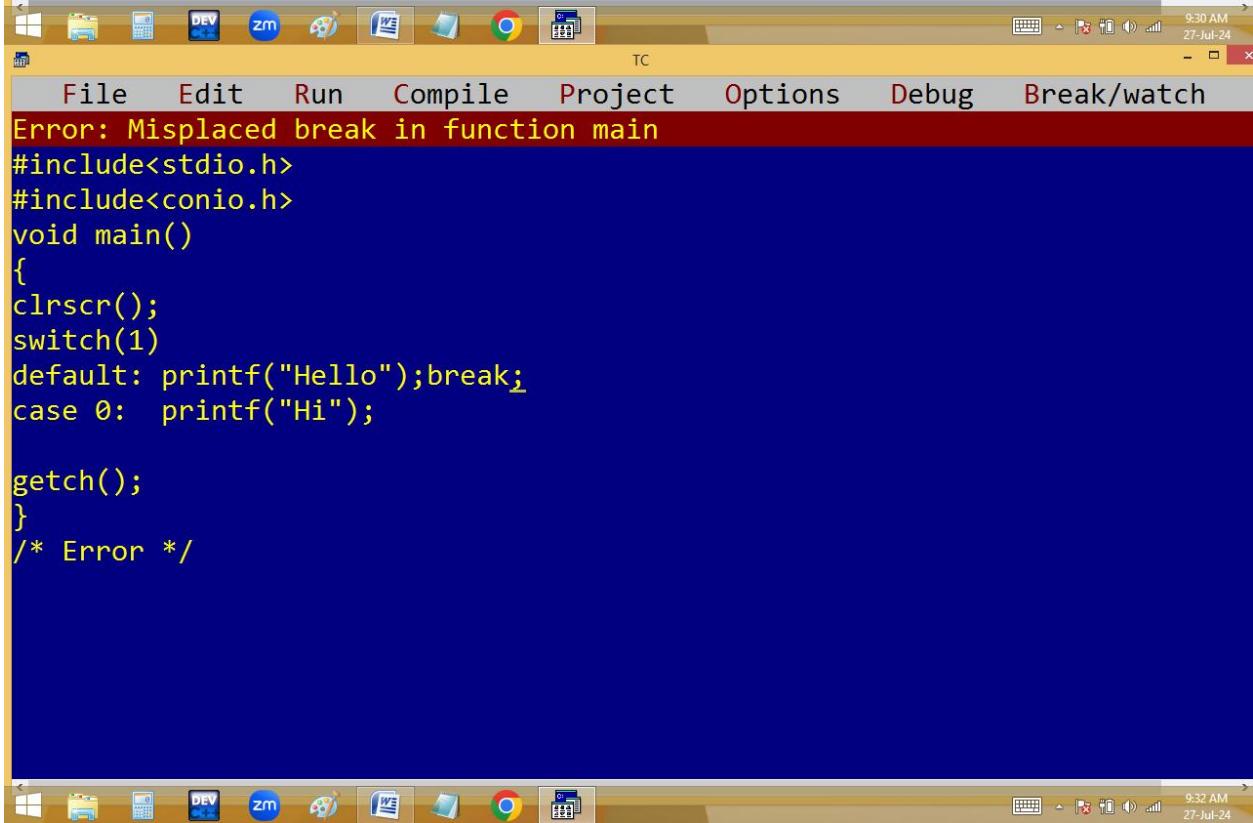
- Menu Bar: File, Edit, Run, Compile, Project, Options, Debug, Break/watch
- Message Bar: Line 10 Col 9 Insert Indent Tab Fill Unindent \* E:9AM.C
- Code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
case1: printf("Hi");
getch();
}

/* Hi */
```



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
printf("Hi");
getch();
}
/* Blank screen */
```



```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Misplaced break in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
default: printf("Hello");break;
case 0: printf("Hi");

getch();
}
/* Error */
```

The image shows three separate windows of a Turbo C (TC) development environment, each displaying a different error message. All three windows have identical titles and menu bars.

**Title Bar:** TC

**Menu Bar:** File Edit Run Compile Project Options Debug Break/watch

**Code and Error:**

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
default: printf("Hello");break;
getch();
}
/* Error */
```

**Error Message (Top Window):** Error: Misplaced break in function main

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
default: printf("Hello");
getch();
}
/* Error */
```

**Error Message (Middle Window):** Error: Default outside of switch in function main

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1);
default: printf("Hello");
getch();
}
/* Error */
```

**System Status Bar:** 9:33 AM 27-Jul-24

**Taskbar:** Shows various icons including DEV, zm, and browser tabs. The time is 9:33 AM and the date is 27-Jul-24.

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1);_
}
/* Blank screen */
```

```
File Edit Run Compile Project Options Debug Break/watch
Error: Statement missing ; in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
}
/* Error */
```

The screenshot shows a Windows desktop with two windows of a code editor application titled "TC".

The top window displays the following C code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
{
}
/*
/* Blank screen */
```

The bottom window displays the same code, but with a red error message at the top:

Error: Expression syntax in function main

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(if(5==5))
{
case 1: printf("Hi");
}
getch();
}
/*Error */
```

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
{
default: printf("Hello");
case 0: printf("Hi");break;
}
getch();
}
/*HelloHi */
```

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch('1')
{
case 1: printf("Hi");break;
default: printf("Hello");
}
getch();
}
/*Hello_*/
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Constant expression required in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch("1")
{
case "1": printf("Hi");break;
default: printf("Hello");
}
getch();
}
/*Error*/
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Constant expression required in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1.1)
{
case 1.1: printf("Hi");break;
default: printf("Hello");
}
getch();
}
/*Error*/
```

The image shows a Windows desktop environment with two windows open. Both windows have a title bar labeled 'TC'. The top window has a black background and displays the word 'Hello' in white. The bottom window has a dark blue background and displays a C program. The program includes #include<stdio.h>, #include<conio.h>, void main(), and a switch statement with cases for >0, <0, and default. The word 'Error:' is followed by 'Expression syntax in function main' in red. The code ends with /\*Error\*/. The taskbar at the bottom shows various icons and the date and time as 9:43 AM 27-Jul-24.

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
{
case >0: printf("Hi");break;
case <0: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Error*/
```

The image shows three separate windows of a C compiler (Turbo C) running on a Windows operating system. Each window has a title bar labeled 'TC'.

**Top Window:**

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
{
case 1>0: printf("Hi");break;
case 1<0: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Hi*/
```

**Middle Window:**

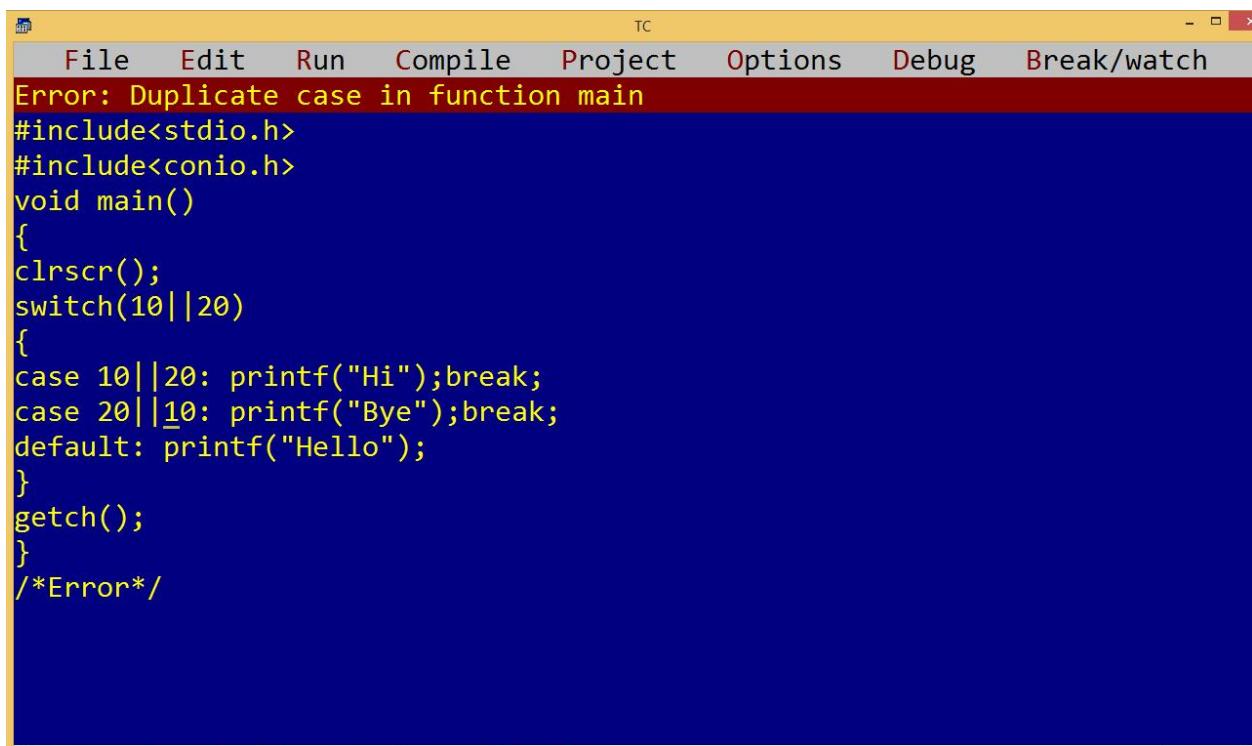
```
Error: Constant expression required in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1,2)
{
case 1,2: printf("Hi");break;
default: printf("Hello");
}
getch();
}
/*Error*/
```

**Bottom Window:**

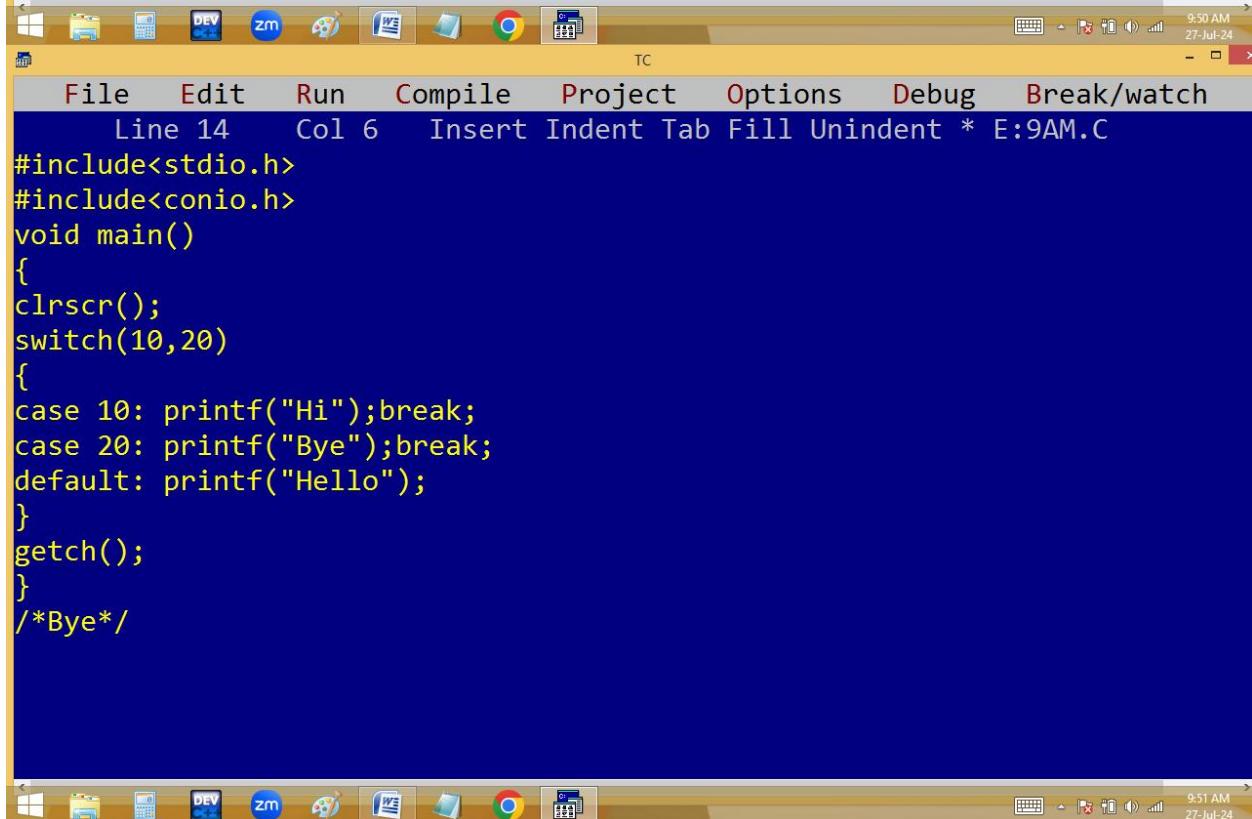
The desktop taskbar at the bottom of the screen shows several icons, including DEV, zm, and PWF. The system tray indicates the date as 27-Jul-24 and the time as 9:42 AM.

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Duplicate case in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(1)
{
case 2/2: printf("Hi");break;
case 1/1: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Error*/
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 8 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(10||20)
{
case 10: printf("Hi");break;
case 20: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Hello*/
```



```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Duplicate case in function main
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(10||20)
{
case 10||20: printf("Hi");break;
case 20||10: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Error*/
```



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 6 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(10,20)
{
case 10: printf("Hi");break;
case 20: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Bye*/
```

The screenshot shows a Windows desktop with two code editors open in separate windows. Both windows have a title bar 'TC' and a menu bar with File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The top window displays the following C code:

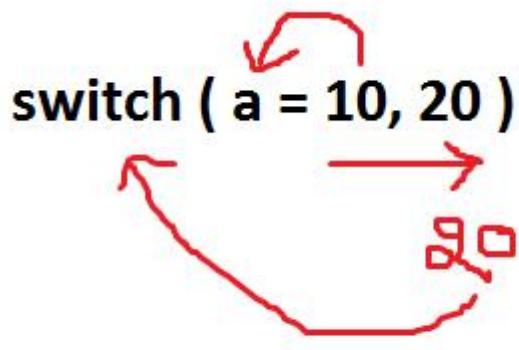
```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=10,20;
clrscr();
switch(a)
{
case 10: printf("Hi");break;
case 20: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Error*/
```

The screenshot shows a Windows desktop with two code editors open in separate windows. Both windows have a title bar 'TC' and a menu bar with File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The bottom window displays the same C code as the top window, but with a syntax error highlighted in red:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
a=10,20;
clrscr();
switch(a)
{
case 10: printf("Hi");break;
case 20: printf("Bye");break;
default: printf("Hello");
}
getch();
}
/*Hi*/
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 16 Col 9 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a=10,20)
{
case 10: printf("Hi");break;
case 20: printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/*Bye a=10*/

```



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 16 Col 12 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a=(10,20),30)
{
case 10: printf("Hi");break;
case 20: printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/*Hello a=20*/

```

**switch( a = ( 10, 20 ), 30 )**



The image shows two side-by-side windows of Microsoft Visual Studio Code, both displaying C programming code. The top window has a status bar indicating 'Line 17 Col 6' and 'E:9AM.C'. The bottom window has a status bar indicating 'Line 18 Col 17' and 'E:9AM.C'. Both windows have a menu bar with File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The code in both windows is identical, demonstrating a switch statement with fall-through cases.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=10;
clrscr();
switch(a=20)
{
a=30;
case 10: printf("Hi");break;
case 20: printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/*Bye_a=20*/
```

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
abc:
switch(a++)
{
case 1: printf("Hi");break;
case 2: printf("Bye");break;
default: printf("Hello");
}
if(a<=2) goto abc;
printf("\na=%d",a);
getch();
}
/*HelloHiBye a=3*/
```

The image shows two windows of the TURBO C++ IDE side-by-side. Both windows have a dark blue background and a light blue header bar.

**Top Window:**

- Header: File Edit Run Compile Project Options Debug Break/watch
- Text area:

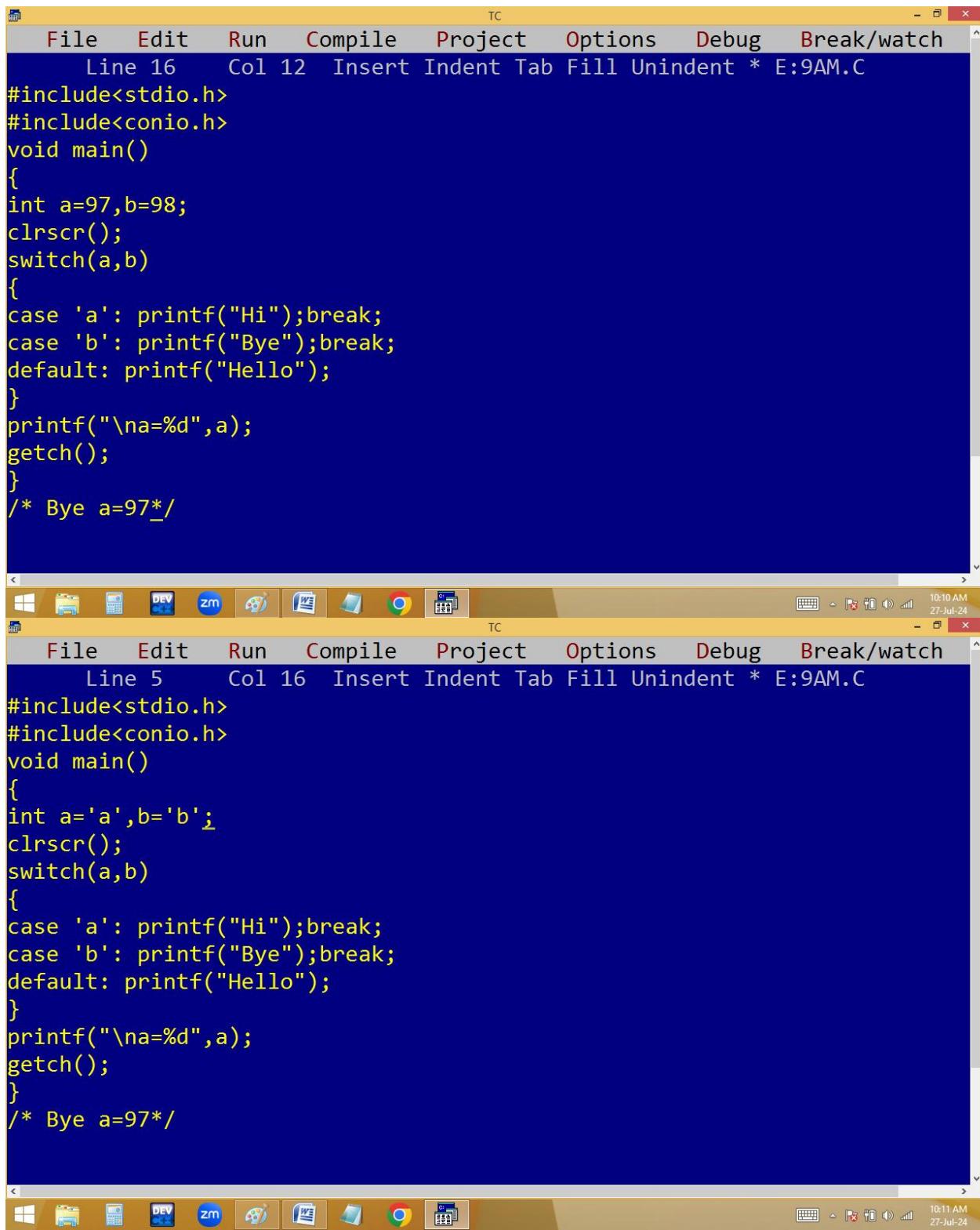
```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
switch(a++,a++)
{
case 1: printf("Hi");break;
case 2: printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/*Hi a=2*/
```
- Bottom status bar: TC

**Bottom Window:**

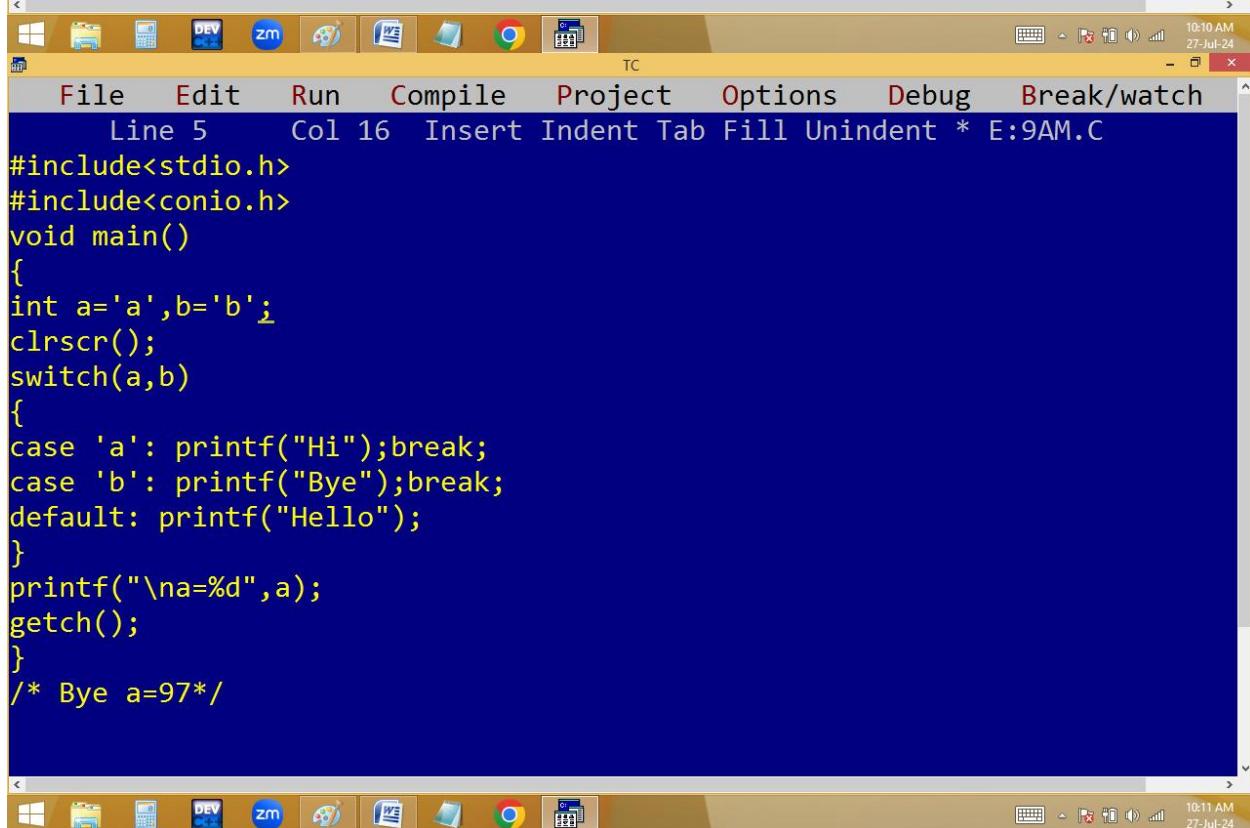
- Header: File Edit Run Compile Project Options Debug Break/watch
- Text area:

```
Error: Constant expression required in function main
#include<stdio.h>
#include<conio.h>
void main()
{
int a=1,b=2;
clrscr();
switch(a,b)
{
case a: printf("Hi");break;
case b: printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/*Error*/
```
- Bottom status bar: TC

The bottom window has a red bar at the top where the error message is displayed.



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 16 Col 12 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=97,b=98;
clrscr();
switch(a,b)
{
case 'a': printf("Hi");break;
case 'b': printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/* Bye a=97*/
```



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 5 Col 16 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a='a',b='b';
clrscr();
switch(a,b)
{
case 'a': printf("Hi");break;
case 'b': printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/* Bye a=97*/
```

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a='a',b='b';
clrscr();
switch(a++,b++)
{
case 'a'+1: printf("Hi");break;
case 'b'+1: printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/* Hi a=98*/
```

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a=printf("hi"), sizeof("Hi"))
{
case 1: printf("HI");break;
case 2: printf("Bye");break;
default: printf("Hello");
}
printf("\na=%d",a);
getch();
}
/* hiHello a=2*/
```

The image displays two side-by-side windows of Microsoft Visual Studio Code, both showing C programming code. The top window shows a program that prints "I am Indian" when run. The bottom window shows a program that prints "Kiara Advani" when run.

**Top Window (Screenshot 1):**

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a=printf("I\t"), printf("Am\t"))
{
case 1: printf("Hindustani");break;
case 2: printf("Bharathiyyudu");break;
case 3: printf("Indian");break;
default: printf("Human being");
}
printf("\na=%d",a);
getch();
}
/* I am Indian a=2*/
```

**Bottom Window (Screenshot 2):**

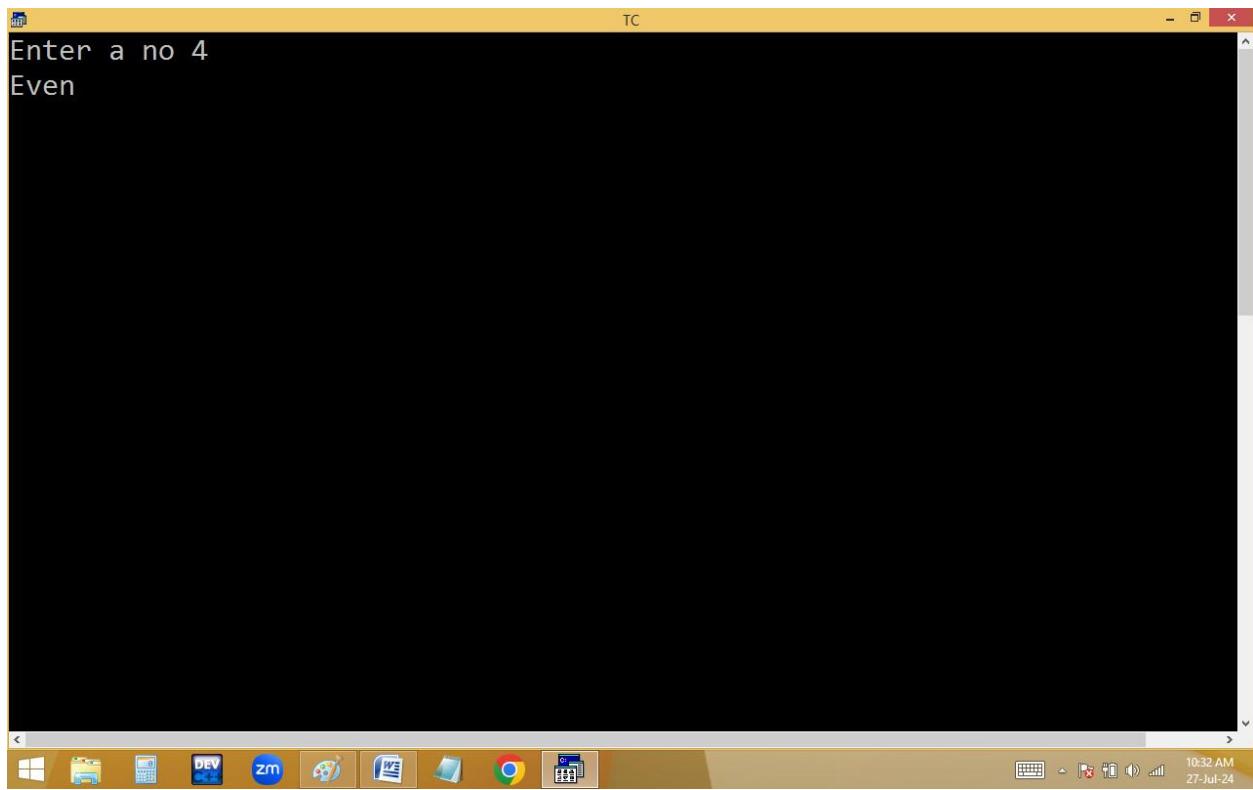
```
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a= *(("I Like" "ABCD"+7)))
{
case 65: printf("Alia Bhatt");break;
case 66: printf("Kiara Advani");break;
case 67: printf("Pooja Hegde");break;
default: printf("Jhanvi Kapoor");
}
printf("\na=%d",a);
getch();
}
/* Kiara Advani a=66 */
```

## Finding even/odd using switch:

The screenshot shows a Windows desktop environment with a terminal window open in the foreground. The terminal window has a yellow header bar with various menu options: File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. Below the menu, it displays the current line and column (Line 14, Col 2), and the file name (E:9AM.C). The main body of the terminal contains the following C code:

```
#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();
}
```

When the code is run, the terminal prompts the user to "Enter a no 5". The user enters "5" and the program outputs "Odd", indicating that 5 is an odd number.



TC

Enter a no 4

Even

**Finding weekday name:**

TC

File Edit Run Compile Project Options Debug Break/watch  
Line 13 Col 23 Insert Indent Tab Fill Unindent \* E:9AM.C

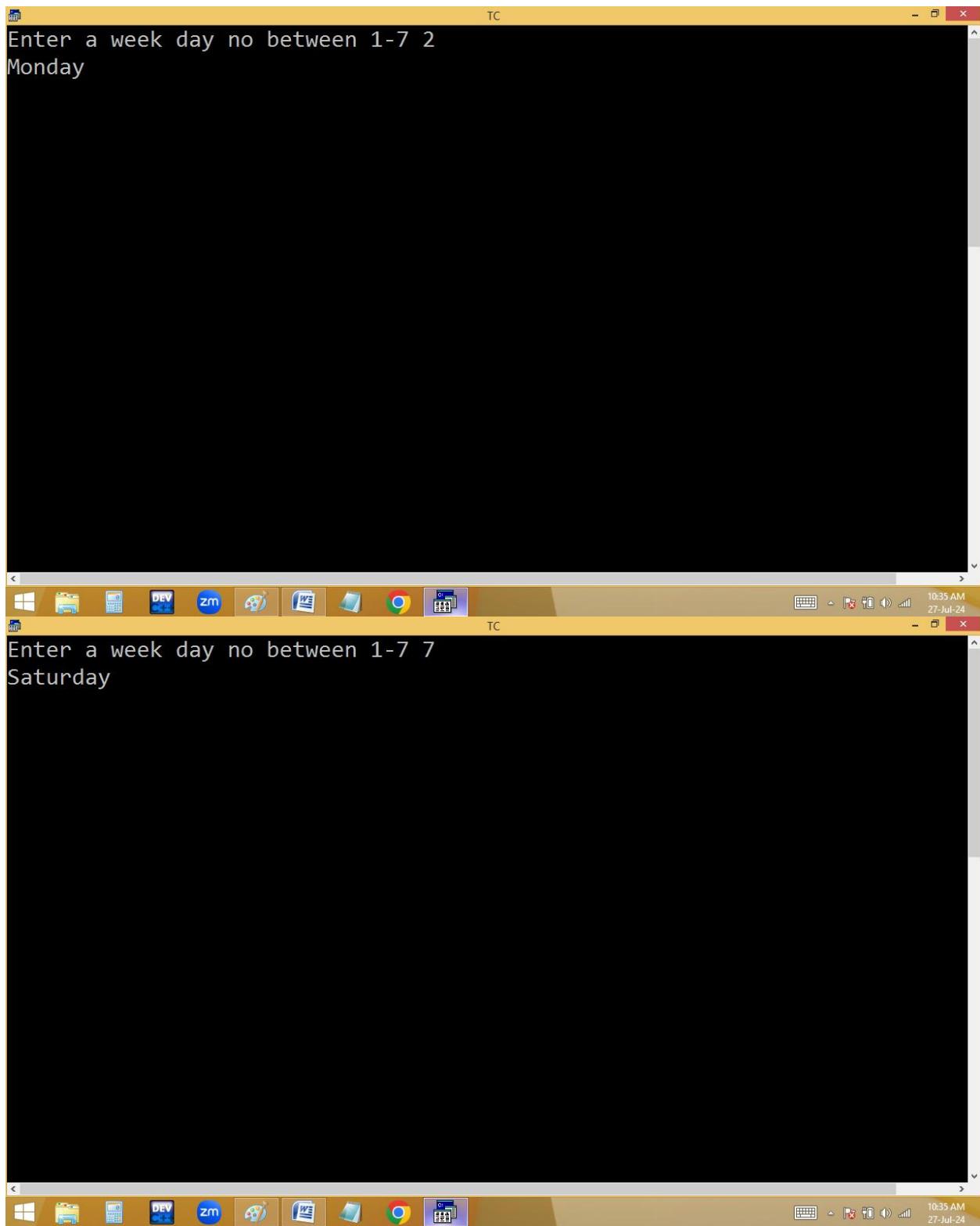
```
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter a week day no between 1-7 "); scanf("%d",&n);
switch(n)
{
case 1: puts("Sunday"); break;
case 2: puts("Monday"); break;
case 7: puts("Saturday");break;
default: puts("Invalid_day");
}
getch();
}
```

Enter a week day no between 1-7 1  
Sunday

TC

Windows File Explorer DEV zm Paint MS Word Google Chrome Task View 10:35 AM 27-Jul-24

Windows File Explorer DEV zm Paint MS Word Google Chrome Task View 10:35 AM 27-Jul-24



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

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

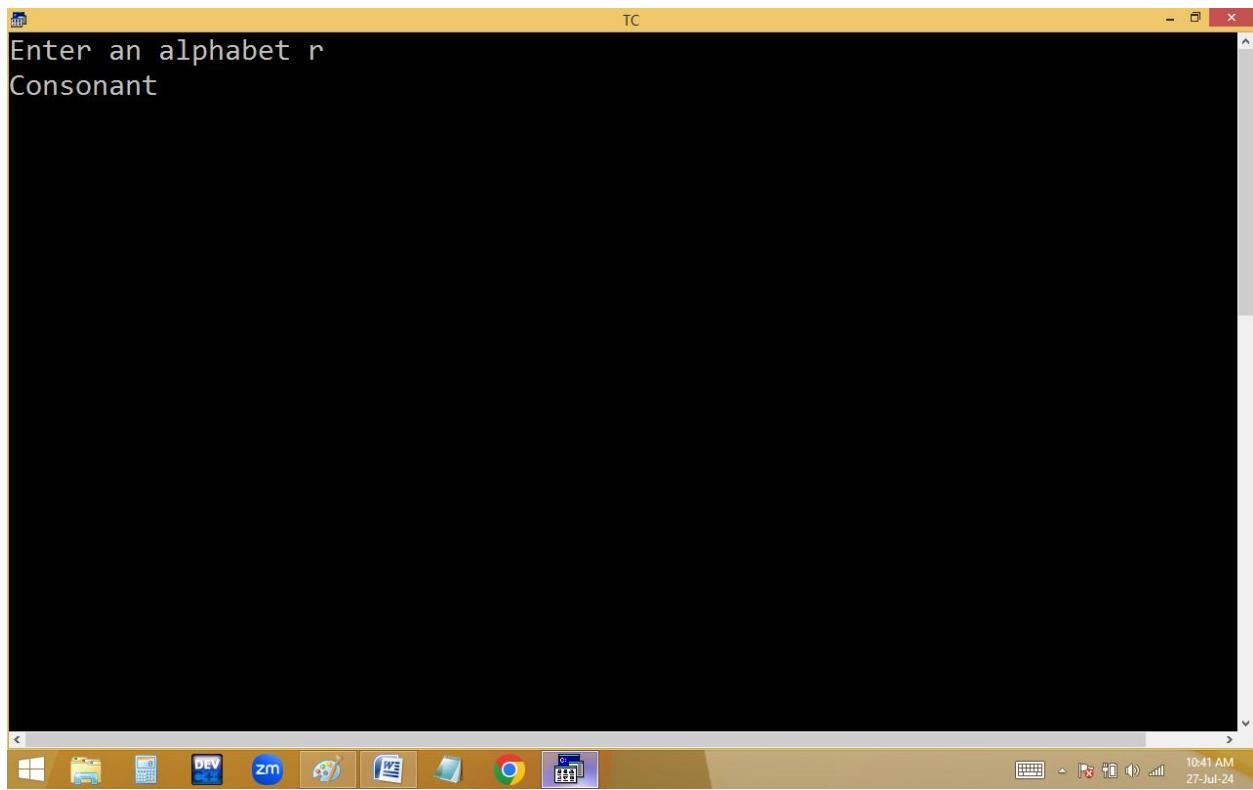
Enter a week day no between 1-7 9
Invalid day
```

## Finding vowel/consonant using switch:

The screenshot shows a Windows desktop environment with a terminal window open in the foreground. The terminal window has a dark blue background and displays the following C code:

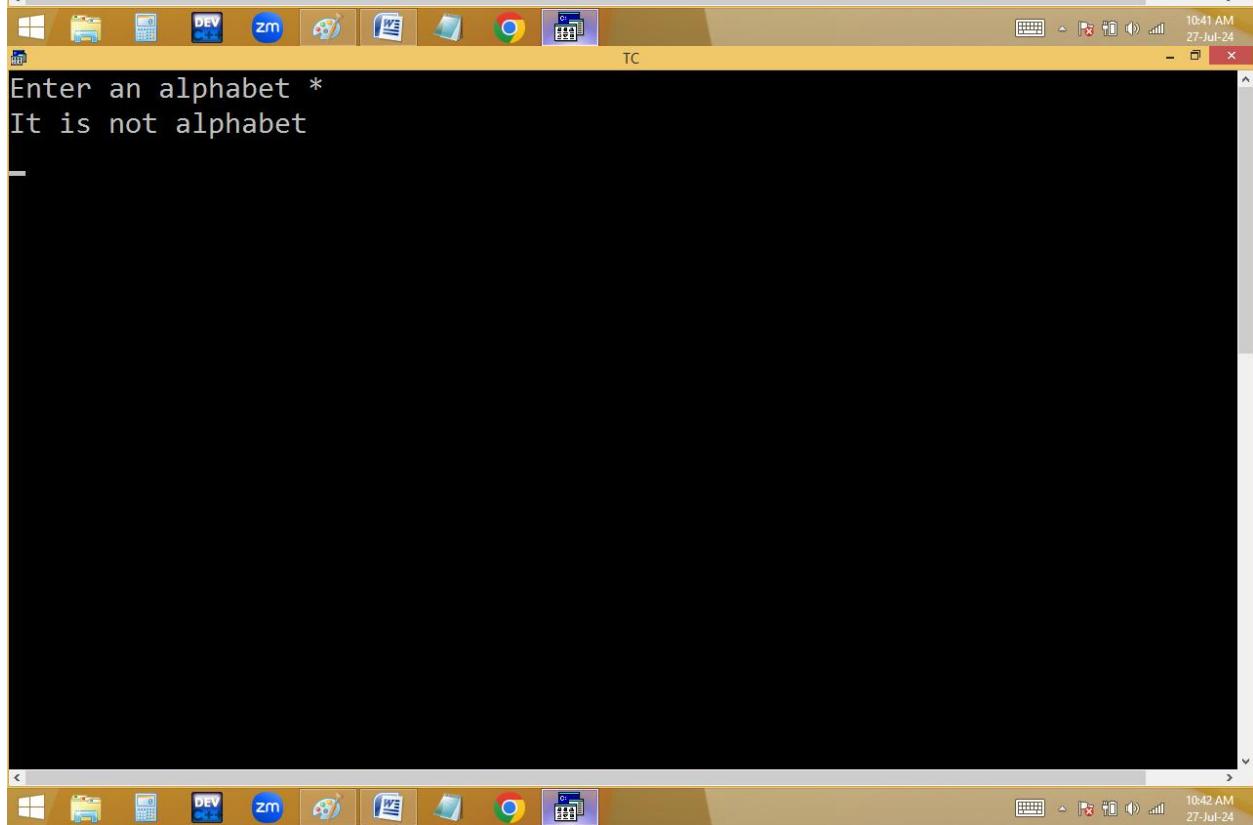
```
Line 19 Col 33 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
char ch;
clrscr();
printf("Enter an alphabet "); scanf("%c",&ch);
if(ch>='A'&&ch<='Z')ch+=32;
if(ch>='a'&& ch<='z')
{
switch(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')
{
case 1: puts("Vowel"); break;
default: puts("Consonant");
}
}
else puts("It is not alphabet");
getch();
}
```

Below the code, the terminal window displays the output of the program. It prompts the user to "Enter an alphabet U" and then outputs "Vowel". The desktop taskbar at the bottom shows various application icons, and the system tray indicates the date and time as 10:41 AM on 27-Jul-24.



```
TC
Enter an alphabet 9
It is not alphabet

Enter an alphabet *
It is not alphabet
```

The image shows three vertically stacked windows, each with a dark background and light-colored text. The top window has the title 'TC' and contains the message 'Enter an alphabet 9' followed by 'It is not alphabet'. The middle window has the title 'TC' and contains the message 'Enter an alphabet \*' followed by 'It is not alphabet'. The bottom window has the title 'TC' and contains no visible text. Below these windows is a Windows taskbar with a gold-colored border. It features several pinned icons: a folder, a file, a calculator, a 'DEV' folder, a 'zm' application, a paint palette, a Microsoft Word document, a Microsoft Excel document, a Microsoft Edge browser, and a Microsoft File Explorer icon. On the right side of the taskbar, there is a keyboard icon, a search bar, a task view button, a power button, and a battery icon. The date and time are displayed as '10:41 AM 27-Jul-24'.