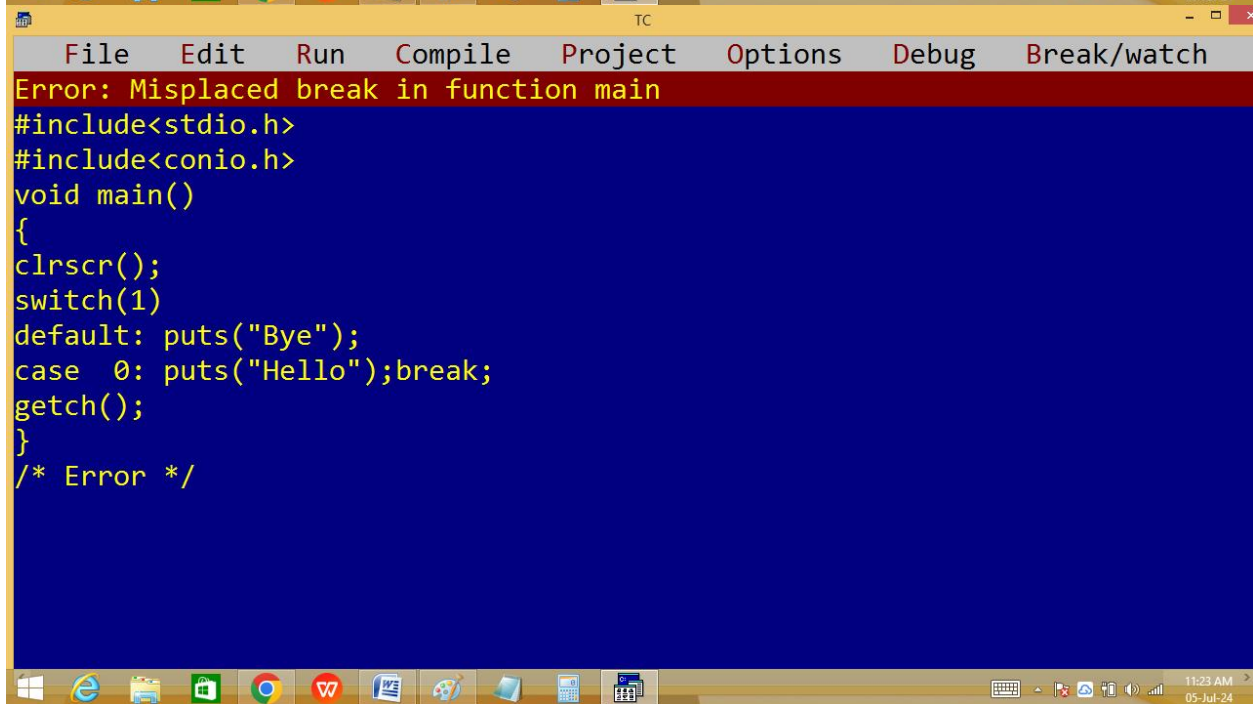


The screenshot shows the Turbo C++ (TC) IDE interface. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. A red error banner at the top reads "Error: Expression syntax in function main". The code editor has a dark blue background with yellow text. The code is as follows:

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

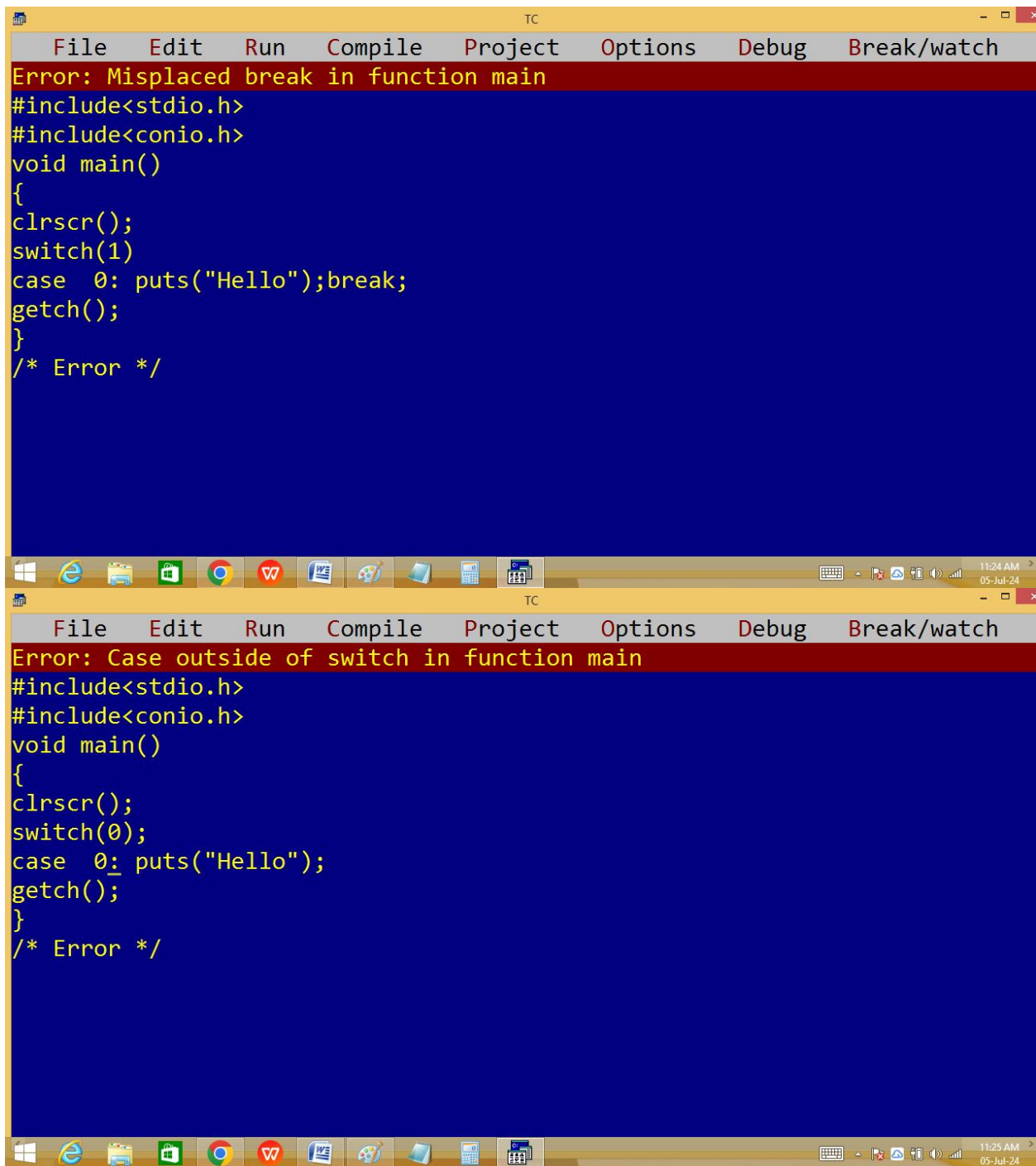
The Windows taskbar at the bottom shows icons for various applications and the system clock indicating 11:21 AM on 05-Jul-24.

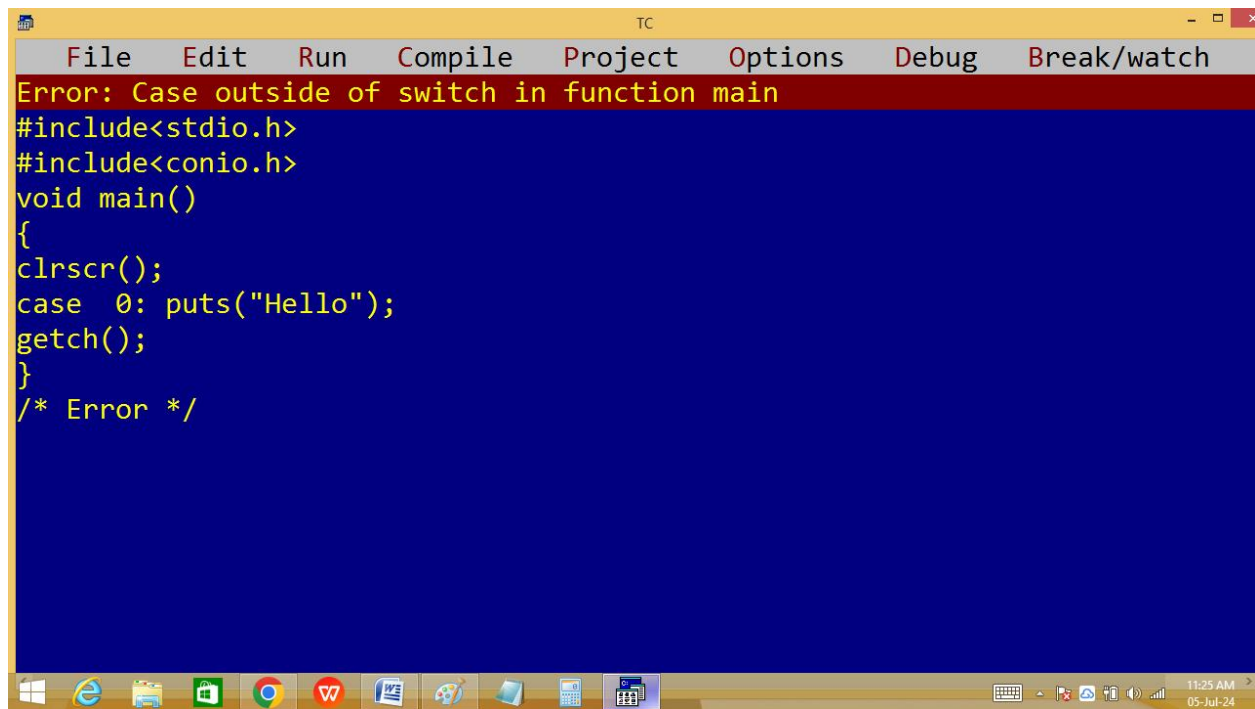


The screenshot shows the Turbo C++ (TC) IDE interface. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. A red error banner at the top reads "Error: Misplaced break in function main". The code editor has a dark blue background with yellow text. The code is as follows:

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

The Windows taskbar at the bottom shows icons for various applications and the system clock indicating 11:23 AM on 05-Jul-24.





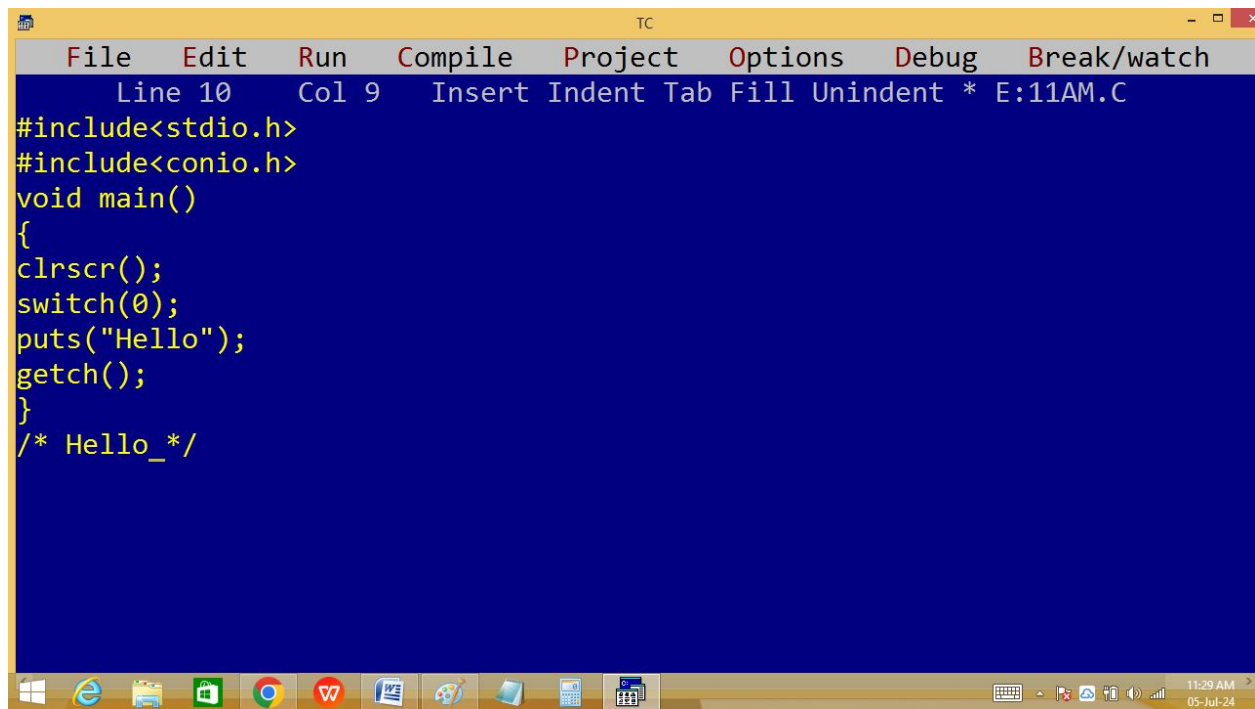
The image shows a screenshot of the Turbo C++ (TC) IDE. The title bar at the top reads "TC". Below it is a menu bar with the following options: File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. A red error message banner is displayed across the top of the code editor, stating "Error: Case outside of switch in function main". The code editor has a dark blue background with yellow text. The code shown is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
case 0: puts("Hello");
getch();
}
/* Error */
```

At the bottom of the window is a Windows taskbar. It contains several application icons: Windows Start button, Internet Explorer, File Explorer, Microsoft Word, Google Chrome, and others. The system tray on the right shows the date and time as "11:25 AM 05-Jul-24".

```
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: puts("Hello");
getch();
}
/* Error */

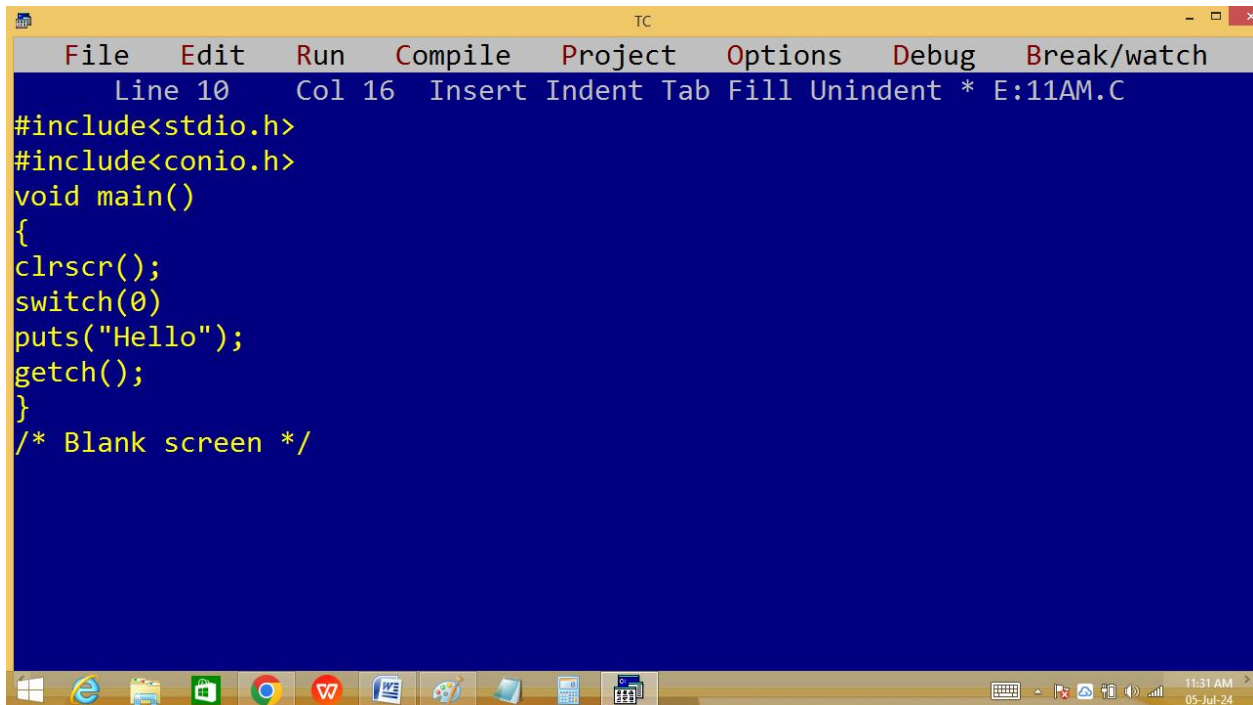
Line 12 Col 16 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(0)
{
puts("Hello");
}
getch();
}
/* Blank screen */
```



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 9", and "Insert Indent Tab Fill Unindent * E:11AM.C". The main editing area has a dark blue background with yellow text. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(0);
puts("Hello");
getch();
}
/* Hello_*/
```

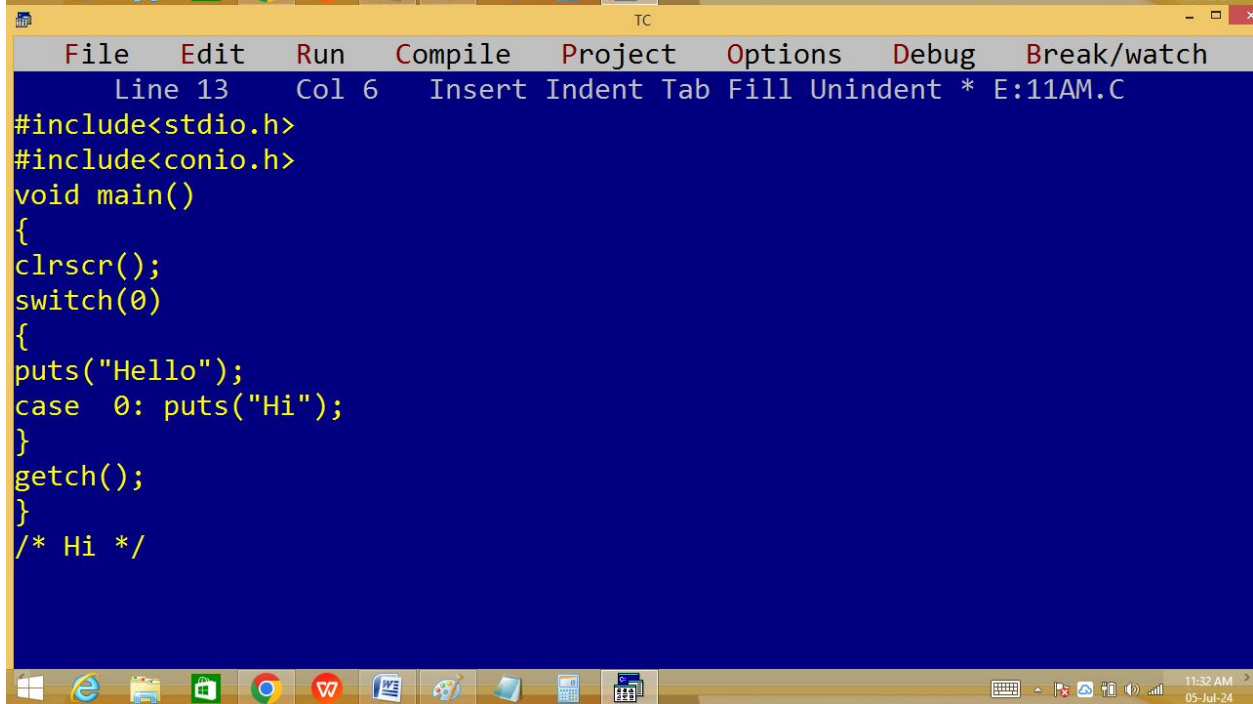
The Windows taskbar is visible at the bottom, showing icons for the Start menu, Internet Explorer, File Explorer, Microsoft Word, Google Chrome, and other applications. The system clock in the bottom right corner shows "11:29 AM" and "05-Jul-24".



The screenshot shows the Turbo C++ IDE with a yellow title bar labeled '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 16 Insert Indent Tab Fill Unindent * E:11AM.C'. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(0)
puts("Hello");
getch();
}
/* Blank screen */
```

The Windows taskbar at the bottom shows icons for various applications and the system clock displaying 11:31 AM on 05-Jul-24.



The screenshot shows the Turbo C++ IDE with a yellow title bar labeled 'TC'. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates 'Line 13 Col 6 Insert Indent Tab Fill Unindent * E:11AM.C'. The code in the editor is as follows:

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

The Windows taskbar at the bottom shows icons for various applications and the system clock displaying 11:32 AM on 05-Jul-24.

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window is the code editor, which has a blue background and a yellow title bar labeled 'TC'. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the bottom of the editor shows 'Line 14 Col 14 Insert Indent Tab Fill Unindent * E:11AM.C'. The code in the editor is as follows:

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

The bottom window is the output console, which has a black background and a yellow title bar labeled 'TC'. It displays the output of the program:

```
Bye
Hello
Hi
```

The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 11:34 AM on 05-Jul-24.

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 1.2: puts("Thank you");break;
default: puts("Bye");
}
getch();
}
/* Error */
```

11:36 AM 05-Jul-24

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(1)
{
case >0: puts("Thank you");break;
case <0: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Error */
```

11:37 AM 05-Jul-24

TC

File Edit Run Compile Project Options Debug Break/watch

Line 14 Col 6 Insert Indent Tab Fill Unindent * E:11AM.C

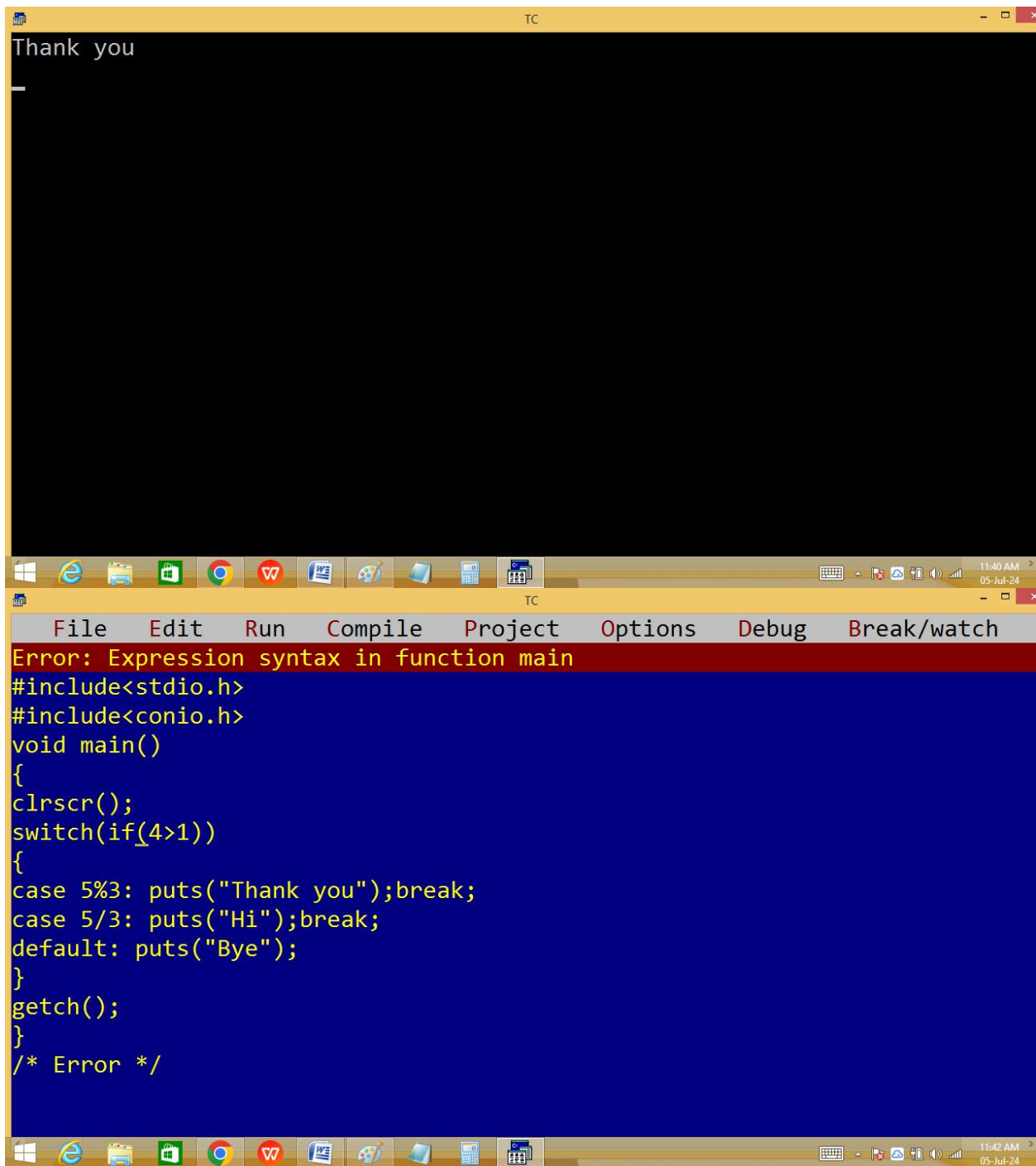
```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(3)
{
case 1-3: puts("Thank you");break;
case 8-5: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Hi */
```

TC

File Edit Run Compile Project Options Debug Break/watch

Error: Case statement missing : in function main

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(3)
{
case 1_to 3: puts("Thank you");break;
case 8 to 5: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Error */
```



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(switch(1))
{
case 5%3: puts("Thank you");break;
case 5/3: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Error */
```

11:42 AM 05-Jul-24

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 5/5: puts("Thank you");break;
case 5/3: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Error */
```

11:43 AM 05-Jul-24

TC

File Edit Run Compile Project Options Debug Break/watch

Line 14 Col 7 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(10||20)
{
case 10: puts("Thank you");break;
case 20: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Bye */
```

11:45 AM 05-Jul-24

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: puts("Thank you");break;
case 20||10: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Error */
```

11:46 AM 05-Jul-24

TC

File Edit Run Compile Project Options Debug Break/watch

Line 14 Col 6 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch(10,20)
{
case 10: puts("Thank you");break;
case 20: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Hi_*/
```

11:47 AM 05-Jul-24

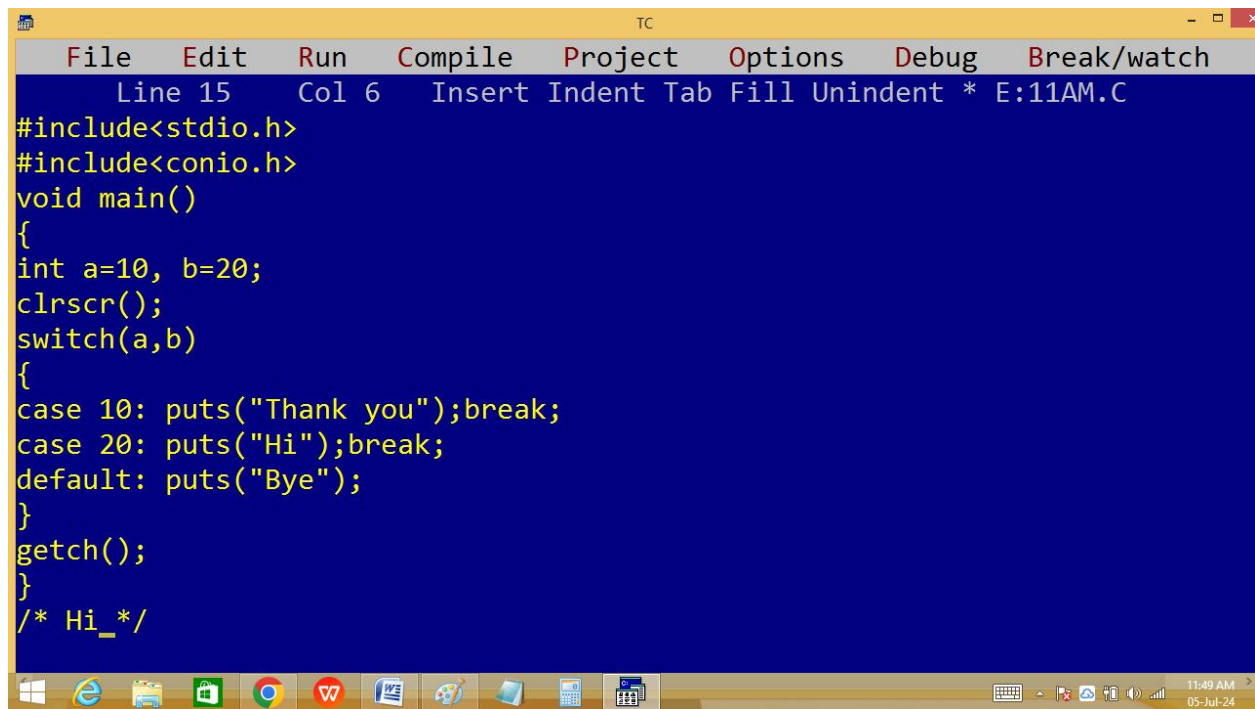
TC

File Edit Run Compile Project Options Debug Break/watch

Error: Constant expression required in function main

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

11:48 AM 05-Jul-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 15", "Col 6", and "Insert Indent Tab Fill Unindent * E:11AM.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=10, b=20;
clrscr();
switch(a,b)
{
case 10: puts("Thank you");break;
case 20: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Hi_*/
```

The Windows taskbar is visible at the bottom, showing icons for the Start menu, Internet Explorer, File Explorer, Microsoft Word, Google Chrome, and other applications. The system clock in the bottom right corner shows "11:49 AM" and "05-Jul-24".

The image shows two instances of the Turbo C++ (TC) IDE. The top window, titled 'TC', displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 15 Col 7 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=10, b=20;
clrscr();
switch('a','b')
{
case 10: puts("Thank you");break;
case 20: puts("Hi");break;
default: puts("Bye");
}
getch();
}
/* Bye_*/
```

The bottom window, also titled 'TC', displays another C program with the following code:

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

Both windows show a Windows taskbar at the bottom with various application icons and a system clock indicating 11:50 AM and 11:51 AM on 05-Jul-24.

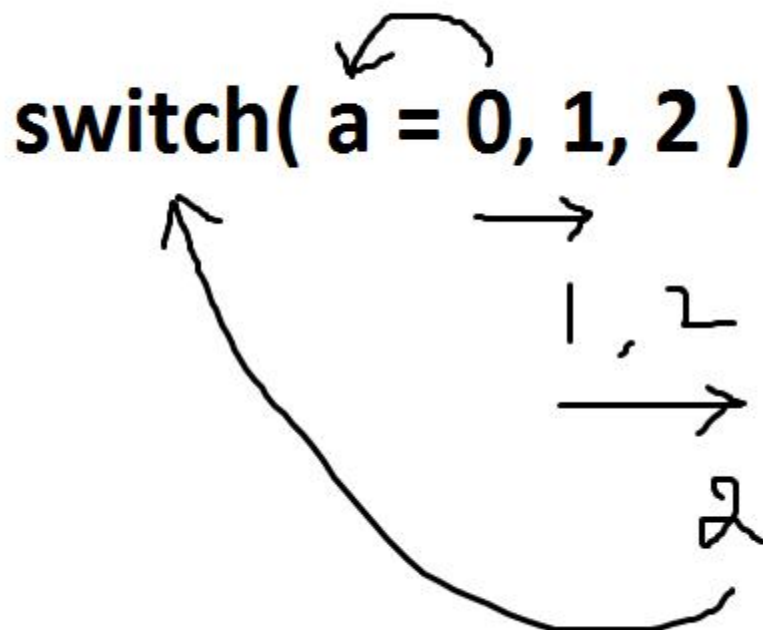

```
TC
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0;
clrscr();
xyz:
switch(a++)
{
case 1: puts("Thank you");break;
case 2: puts("Hi");break;
default: puts("Bye");
}
if(a<=2) goto xyz;
printf("a=%d",a);
getch();
}
/* ByeThankyouHi a=3*/

TC
Bye
Thank you
Hi
a=3
```

```
TC
#include<stdio.h>
#include<conio.h>
void main()
{
    int a=0;
    clrscr();
    switch(a=1)
    {
        a=2;
        case 1: puts("Thank you");break;
        case 2: puts("Hi");break;
        default: puts("Bye");
    }
    printf("a=%d",a);
    getch();
}
/* Thankyou a=1*/

TC
#include<stdio.h>
#include<conio.h>
void main()
{
    int a;
    clrscr();
    a=0,1,2;
    switch(a)
    {
        case 1: puts("Thank you");break;
        case 2: puts("Hi");break;
        default: puts("Bye");
    }
    printf("a=%d",a);
    getch();
}
/* Bye a=0*/
```

```
TC
Line 17 Col 6 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a=0,1,2)
{
case 1: puts("Thank you");break;
case 2: puts("Hi");break;
default: puts("Bye");
}
printf("a=%d",a);
getch();
}
/* Hi a=0*/
```



```
TC
Line 16 Col 10 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2;
clrscr();
switch(a=(0,1,a--))
{
case 1: puts("Thank you");break;
case 2: puts("Hi");break;
default: puts("Bye");
}
printf("a=%d",a);
getch();
}
/* Hi a=2*/
```

```
TC
Line 16 Col 17 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2;
clrscr();
switch(a=(0,1,--a))
{
case 1: puts("Thank you");break;
case 2: puts("Hi");break;
default: puts("Bye");
}
printf("a=%d",a);
getch();
}
/* Thank you a=1*/
```

```
TC
Line 16 Col 6 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2;
clrscr();
switch(a=(0,1,a++))
{
case 1: puts("Thank you");break;
case 2: puts("Hi");break;
default: puts("Bye");
}
printf("a=%d",a);
getch();
}
/* Hi_a=2*/
```

```
TC
Line 16 Col 17 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2;
clrscr();
switch(a=(0,a++,1))
{
case 1: puts("Thank you");break;
case 2: puts("Hi");break;
default: puts("Bye");
}
printf("a=%d",a);
getch();
}
/* Thank you a=1*/
```

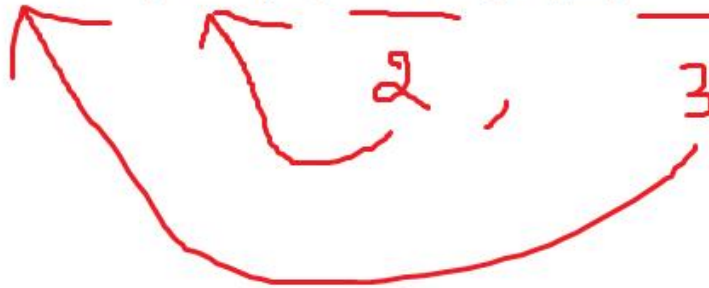
```
TC
Line 16 Col 18 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=2;
clrscr();
switch(0,a++,1)
{
case 1: puts("Thank you");break;
case 2: puts("Hi");break;
default: puts("Bye");
}
printf("a=%d",a);
getch();
}
/* Thank you a=3 */

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

12:09 PM
05-Jul-24

12:11 PM
05-Jul-24
```

switch(a=p("I\t"), p("Am\t"))




```
TC
#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
switch(a=*"I Like""abcd"+6))
{
case 97: puts("Shradda kapoor");break;
case 98: puts("Jhanvi Kapoor");break;
case 99: puts("Rashmika Mandana");break;
default: puts("All");
}
printf("a=%d",a);
getch();
}

Shradda kapoor
a=97_
TC
12:16 PM
05-Jul-24
```

```
TC
Shradda kapoor
a=97_
TC
12:25 PM
05-Jul-24
```

```
switch( a = * ( "Like""abcd"+6)) p( Bharathi+1 )
```

```
TC
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0; clrscr();
switch(a++)
{
case 0: puts("Shradda kapoor");
switch(a++)
{
case 1: puts("Jhanvi Kapoor");
default: puts("Rashmika Mandana");
}
default: puts("Kiara Advani");
}
printf("a=%d",a);
getch();}

TC
Shradda kapoor
Jhanvi Kapoor
Rashmika Mandana
Kiara Advani
a=2
```

The image shows two screenshots of the Turbo C++ (TC) IDE. The top screenshot displays a compilation error: "Error: Misplaced continue in function main". The code in the editor is as follows:

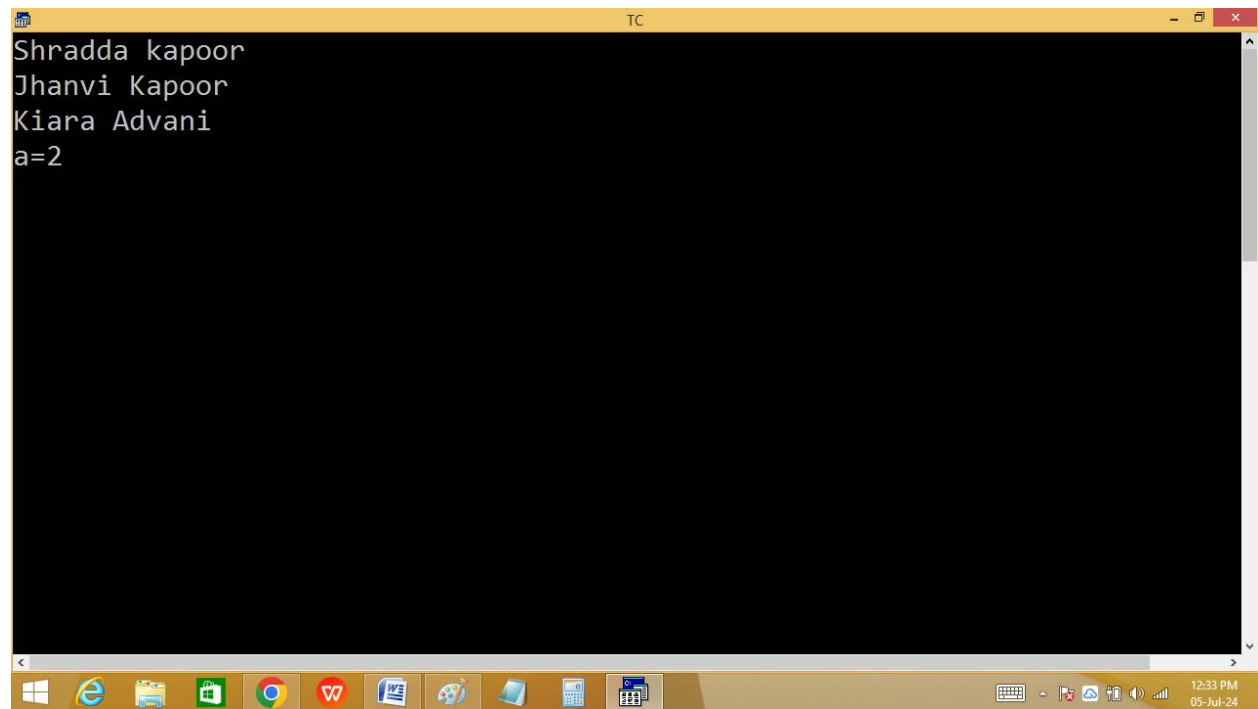
```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0; clrscr();
switch(a++)
{case 0: puts("Shradda kapoor");continue;
switch(a++)
{case 1: puts("Jhanvi Kapoor");
default: puts("Rashmika Mandana");
}
default: puts("Kiara Advani");
}
printf("a=%d",a);
getch();}
/* Error */
```

The bottom screenshot shows the same code after correction, with the error resolved. The status bar at the top of the editor window indicates "Line 16 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C". The corrected code is:

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0; clrscr();
switch(a++)
{case 0: puts("Shradda kapoor");
switch(a++)
{case 1: puts("Jhanvi Kapoor");break;
default: puts("Rashmika Mandana");
}
default: puts("Kiara Advani");
}
printf("a=%d",a);
getch();
}
```

Both screenshots show the Windows taskbar at the bottom with various application icons and a system clock indicating 12:31 PM on 05-Jul-24.

```
TC
Shradda kapoor
Jhanvi Kapoor
Kiara Advani
a=2
```



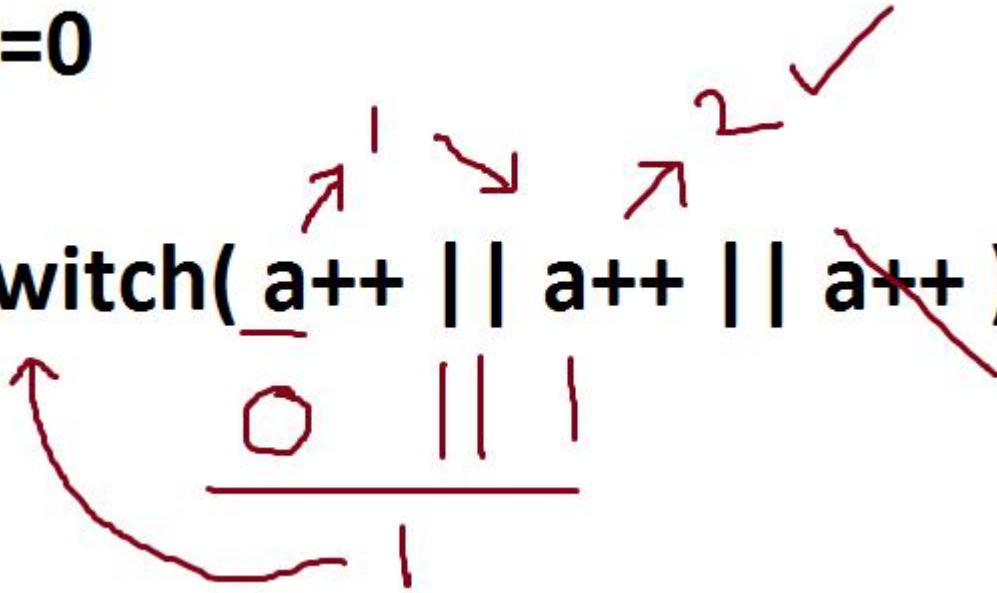
The image shows a Windows 10 desktop environment. A terminal window titled "TC" is open, displaying the following text: "Shradda kapoor", "Jhanvi Kapoor", "Kiara Advani", and "a=2". The taskbar at the bottom contains icons for the Start menu, Edge, File Explorer, Word, Chrome, and several other applications. The system tray on the right shows the time as 12:33 PM on 05-Jul-24.

```
TC
Line 17 Col 32 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0; clrscr();
switch(a++)
{case 0: puts("Shradda Kapoor");break;
switch(a++)
{case 1: puts("Jhanvi Kapoor");
default: puts("Rashmika Mandana");
}
default: puts("Kiara Advani");
}
printf("a=%d",a);
getch();
}

TC
File Edit Run Compile Project Options Debug Break/watch
Line 15 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0; clrscr();
switch(a++||a++||a++)
{
case 0: puts("Shradda Kapoor");break;
case 1: puts("Jhanvi Kapoor");break;
default: puts("Rashmika Mandana");
}
printf("a=%d",a);
getch();
}
/* Jhanvi Kapoor a=2 */
12:34 PM 05-Jul-24
```

a=0

switch(a++ || a++ || ~~a++~~)



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 12 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0; clrscr();
switch(a++ && a++||a++)
{
case 0: puts("Shradda Kapoor");break;
case 1: puts("Jhanvi Kapoor");break;
default: puts("Rashmika Mandana");
}
printf("a=%d",a);
getch();
}
/* Jhanvi Kapoor a=2 */
```


a=0

switch(a++&&~~a~~++ || a++)



```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 15 Col 22 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=0; clrscr();
switch(a++ || a++ && a++)
{
case 0: puts("Shradda Kapoor");break;
case 1: puts("Jhanvi Kapoor");break;
default: puts("Rashmika Mandana");
}
printf("a=%d",a);
getch();
}
/* Jhanvi Kapoor a=3_*/
```

a=0

switch(a++ || a++ && a++)

Red annotations show the sequence of increments:
1. a++ (underlined) becomes 1.
2. a++ (underlined) becomes 2.
3. a++ (underlined) becomes 3.
A green arrow points from the final 'a' value (3) back to the first 'a++' operand, indicating short-circuit evaluation.
Red lines and vertical bars group the operands and operators:
- A horizontal line under the first a++ and the `||` operator.
- A horizontal line under the second a++ and the `&&` operator.
- A horizontal line under the third a++.
- A vertical bar under the first a++.
- A vertical bar under the second a++.
- A vertical bar under the third a++.
- A vertical bar under the `&&` operator.
- A horizontal line under the `&&` operator and the third a++.