

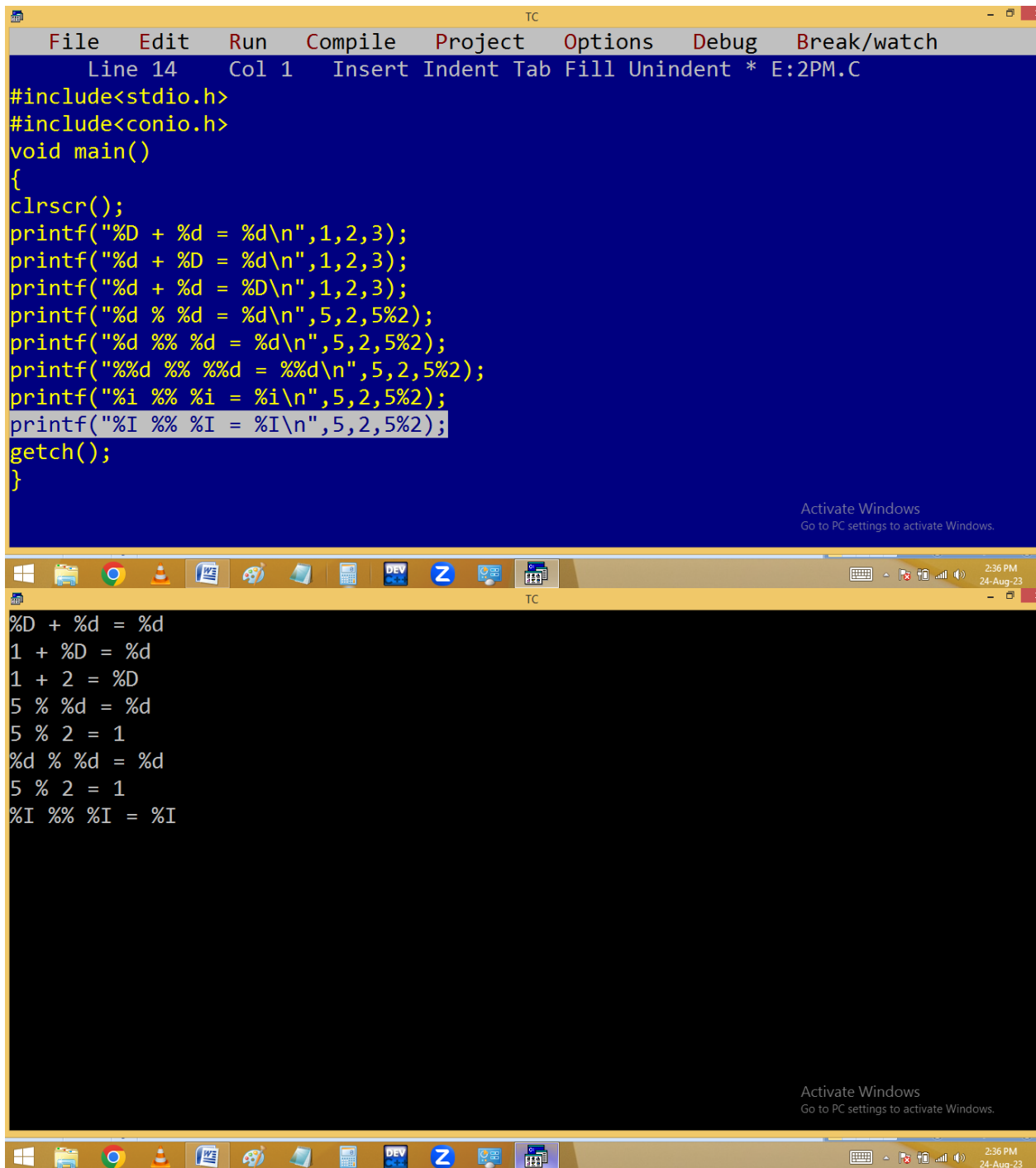
The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 29 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Jodha\n","Akbar");
printf("Jodha %s\n","Akbar");
printf("%s Pyar %s\n","Kiya","Mine");
printf("Taare %s \n","Zameen %s","Per");
printf("Taare %s %s\n","Zameen %s","Per");
printf("Kahona"" Pyar ""Hai");
getch();
}
```

The bottom window shows the output of the program:

```
Jodha
Jodha Akbar
Kiya Pyar Mine
Taare Zameen %s
Taare Zameen %s Per
Kahona Pyar Hai_
```

Both windows include a taskbar at the bottom with various application icons and a system tray showing the time as 2:28 PM on 24-Aug-23. An "Activate Windows" watermark is visible in the bottom right corner of both windows.



The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays the source code of a C program. The code includes `<stdio.h>` and `<conio.h>`, and defines a `main` function. Inside `main`, it calls `clrscr()` to clear the screen, followed by several `printf` statements using different format specifiers: `%D`, `%d`, `%i`, and `%I`. The last line of code is `getch();`. The bottom window shows the output of the program, which displays the results of the `printf` statements on separate lines. The output is: `%D + %d = %d`, `1 + %D = %d`, `1 + 2 = %D`, `5 % %d = %d`, `5 % 2 = 1`, `%d % %d = %d`, `5 % 2 = 1`, and `%I %% %I = %I`. The IDE's menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the bottom indicates the file is `E:2PM.C` and the time is 2:36 PM on 24-Aug-23.

```
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 1 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%D + %d = %d\n",1,2,3);
printf("%d + %D = %d\n",1,2,3);
printf("%d + %d = %D\n",1,2,3);
printf("%d % %d = %d\n",5,2,5%2);
printf("%d %% %d = %d\n",5,2,5%2);
printf("%%d %% %d = %%d\n",5,2,5%2);
printf("%i %% %i = %i\n",5,2,5%2);
printf("%I %% %I = %I\n",5,2,5%2);
getch();
}

%D + %d = %d
1 + %D = %d
1 + 2 = %D
5 % %d = %d
5 % 2 = 1
%d % %d = %d
5 % 2 = 1
%i %% %i = %i
%i %% %I = %I

Activate Windows
Go to PC settings to activate Windows.
```

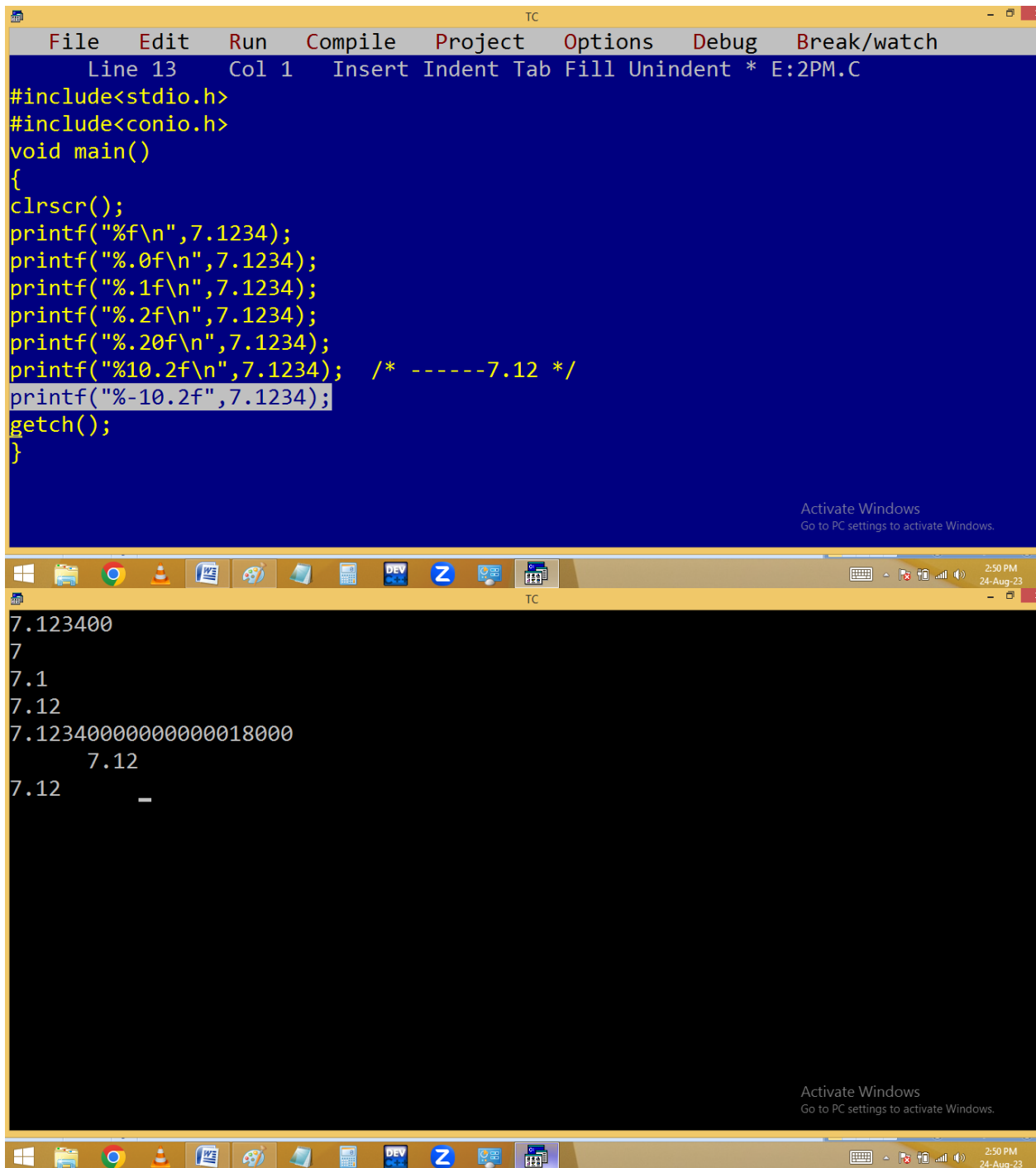
The image shows a screenshot of a Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 11 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n",52);
printf("%4d\n",52); /* --52 */
printf("%-4d\n",52); /* 52-- */
printf("%1d\n",52);
printf("%di\n",52);
printf("%*d\n",7,5);
printf("%#d\n",5);
printf("%-*d\n",7,5);
printf("%.5d\n",7);
getch();
}
```

The bottom window shows the output of the program:

```
52
  52
52
52
52i
      5
5
5
00007
_
```

Both windows include a taskbar at the bottom with various application icons and a system tray showing the time as 2:45 PM on 24-Aug-23. A watermark "Activate Windows" is visible in the bottom right corner of both windows.



The image shows a screenshot of a Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 13 Col 1 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%f\n",7.1234);
printf("%.0f\n",7.1234);
printf("%.1f\n",7.1234);
printf("%.2f\n",7.1234);
printf("%.20f\n",7.1234);
printf("%10.2f\n",7.1234); /* -----7.12 */
printf("%-10.2f",7.1234);
getch();
}
```

The bottom window shows the output of the program:

```
7.123400
7
7.1
7.12
7.123400000000000018000
      7.12
7.12      -
```

The IDE interface includes a menu bar at the top with options: File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the bottom indicates the time as 2:50 PM on 24-Aug-23. An "Activate Windows" watermark is visible in the bottom right corner of both windows.

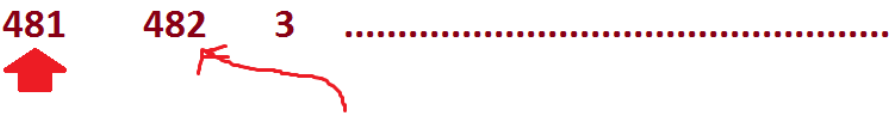
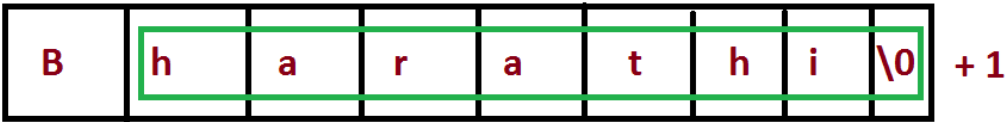
```
TC
Line 18 Col 16 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%10s\n","Kishore");
printf("%-10s\n","Kishore");
printf("%.3s\n","Kishore");
printf("%10.3s\n","Kishore");
printf("Bharathi addr=%u\n","Bharathi");
printf("Bharathi\n"+1);
printf(1+"Bharathi\n"+1);
printf("Bharathi\n"+8);
printf("Bharathi\n"-1); /* GrBharathi or Blank */
printf("%d\n"+1,999);
printf("%d\n"+1);
getch();
}

Kishore
Kis
    Kis
Bharathi addr=481
harathi
arathi

d
d
_

Activate Windows
Go to PC settings to activate Windows.
```

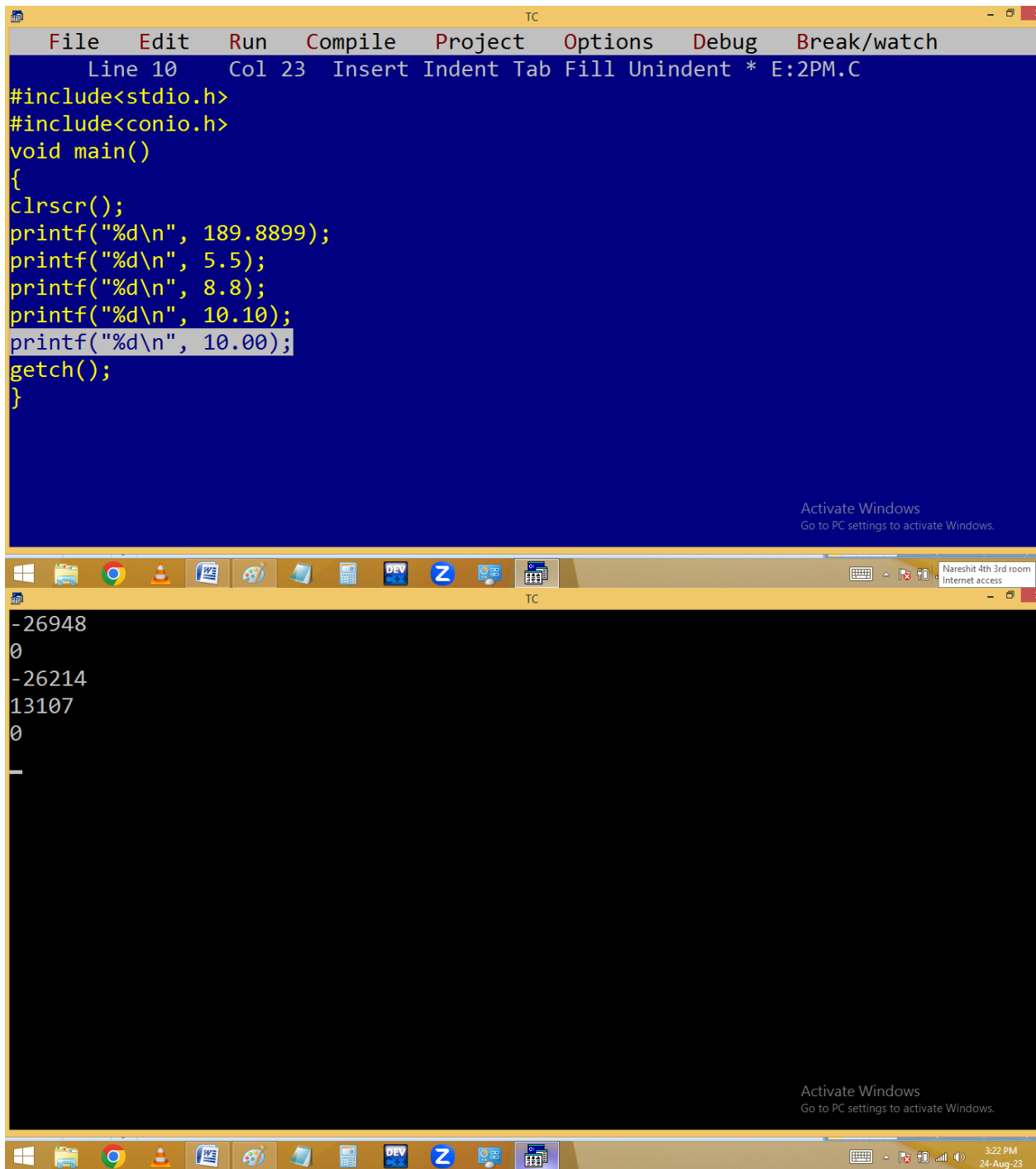
bytes



Base addr + 1 = 481+1=482

```
Line 18 Col 17 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
#include<math.h>
void main()
{
clrscr();
printf("%.2f\n", 189.8899);
printf("%.1f\n", 189.8899);
printf("%.0f\n", 189.8899);
printf("%.0f\n", 123.123);
printf("%.1f\n", 123.123);
printf("%.2f\n", 123.123);
printf("%.2f\n", 123.5599);
printf("%.2f\n", 123.5533);
printf("%.2f\n", floor(123.5533));
printf("%.2f\n", ceil(123.5533));
getch();
}
```

189.89
189.9
190
123
123.1
123.12
123.56
123.55
123.00
124.00



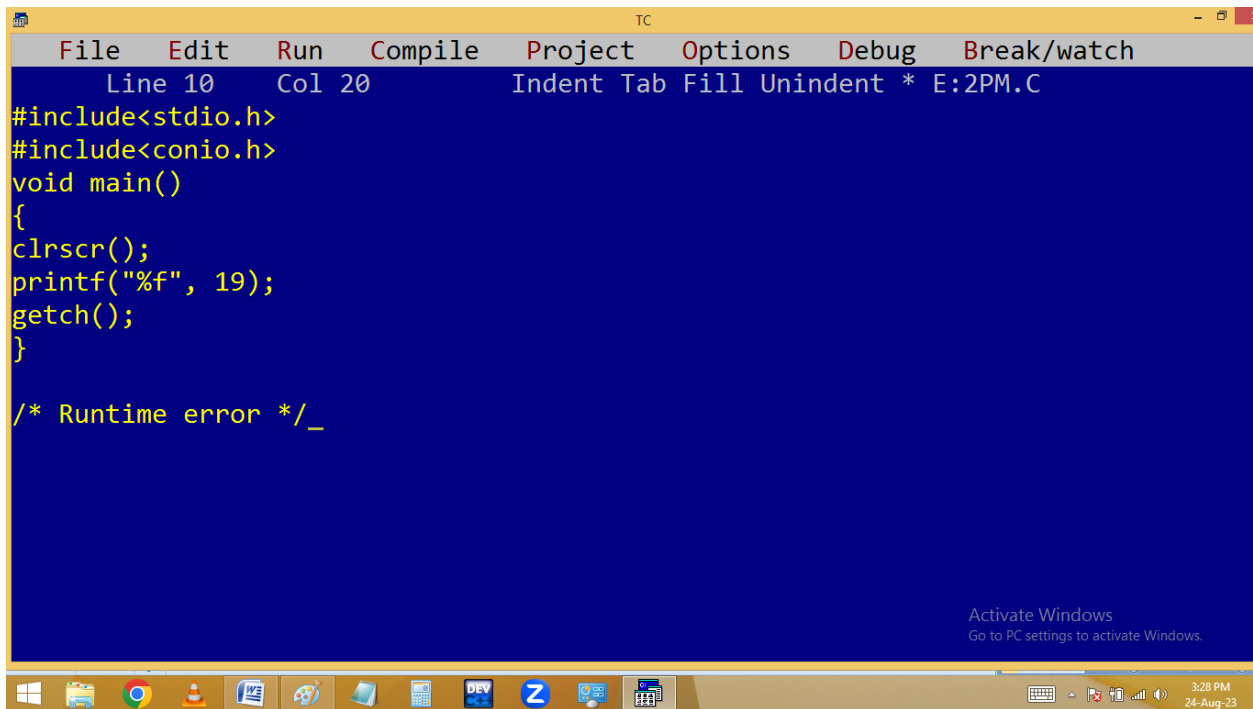
The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 23 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n", 189.8899);
printf("%d\n", 5.5);
printf("%d\n", 8.8);
printf("%d\n", 10.10);
printf("%d\n", 10.00);
getch();
}
```

The bottom window shows the output of the program:

```
-26948
0
-26214
13107
0
_
```

Both windows include an "Activate Windows" watermark at the bottom right corner.

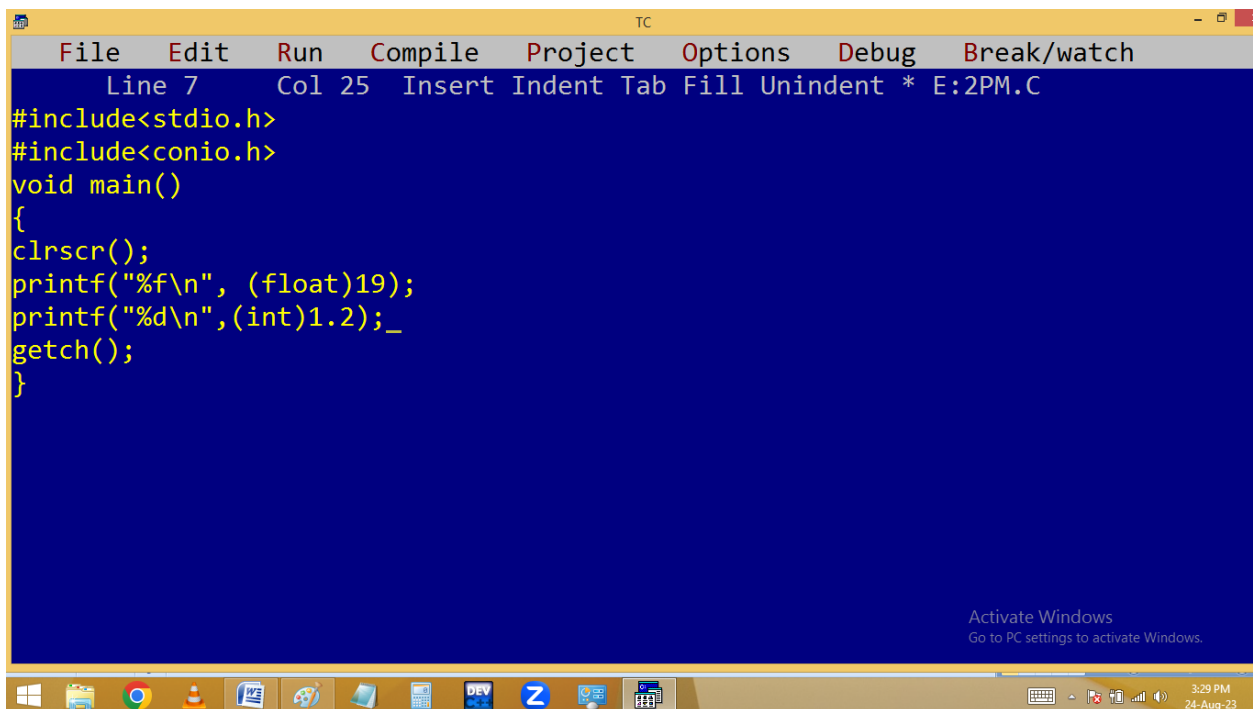


The screenshot shows the Turbo C++ IDE with a blue background. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates Line 10, Col 20, and the file name E:2PM.C. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%f", 19);
getch();
}

/* Runtime error */_
```

An "Activate Windows" watermark is visible in the bottom right corner of the IDE window. The Windows taskbar at the bottom shows the time as 3:28 PM on 24-Aug-23.



The screenshot shows the Turbo C++ IDE with a blue background. The menu bar includes File, Edit, Run, Compile, Project, Options, Debug, and Break/watch. The status bar at the top indicates Line 7, Col 25, and the file name E:2PM.C. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%f\n", (float)19);
printf("%d\n", (int)1.2);_
getch();
}
```

An "Activate Windows" watermark is visible in the bottom right corner of the IDE window. The Windows taskbar at the bottom shows the time as 3:29 PM on 24-Aug-23.

Output:

19.000000

1

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program for converting numbers between decimal, octal, and hexadecimal. The code is as follows:

```
File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 1 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%d\n", 010); /* oct to dec */
printf("%d\n", 0x20); /* hexa to dec */
printf("%o\n", 10); /* dec to oct */
printf("%x\n", 35); /* dec to hex */
printf("%x\n", 45);
printf("%X\n", 95);
getch();
}
```

The bottom window shows the output of the program, which is a vertical list of numbers: 8, 32, 12, 23, 2d, and 5F. The TC logo is visible in the center of the bottom window's title bar.

8
32
12
23
2d
5F

Activate Windows
Go to PC settings to activate Windows.

oct to decimal

$$\begin{array}{r} \text{0} \text{1} \text{0} \\ \swarrow \quad \searrow \\ 8^1 \times 1 + 8^0 \times 0 \\ \hline 8 + 0 = 8 \end{array}$$

dec to octal

$$\begin{array}{r} 8 \overline{) 10} \\ 1-2 \checkmark \end{array}$$

hexadecimal to decimal

$$\begin{array}{r} \text{0} \times 2 \text{0} \\ \swarrow \quad \searrow \\ 16^1 \times 2 + 16^0 \times 0 \\ \hline 32 + 0 = 32 \end{array}$$

dec to hexa

$$\begin{array}{r} 16 \overline{) 32} \\ 2-3 \checkmark \end{array}$$

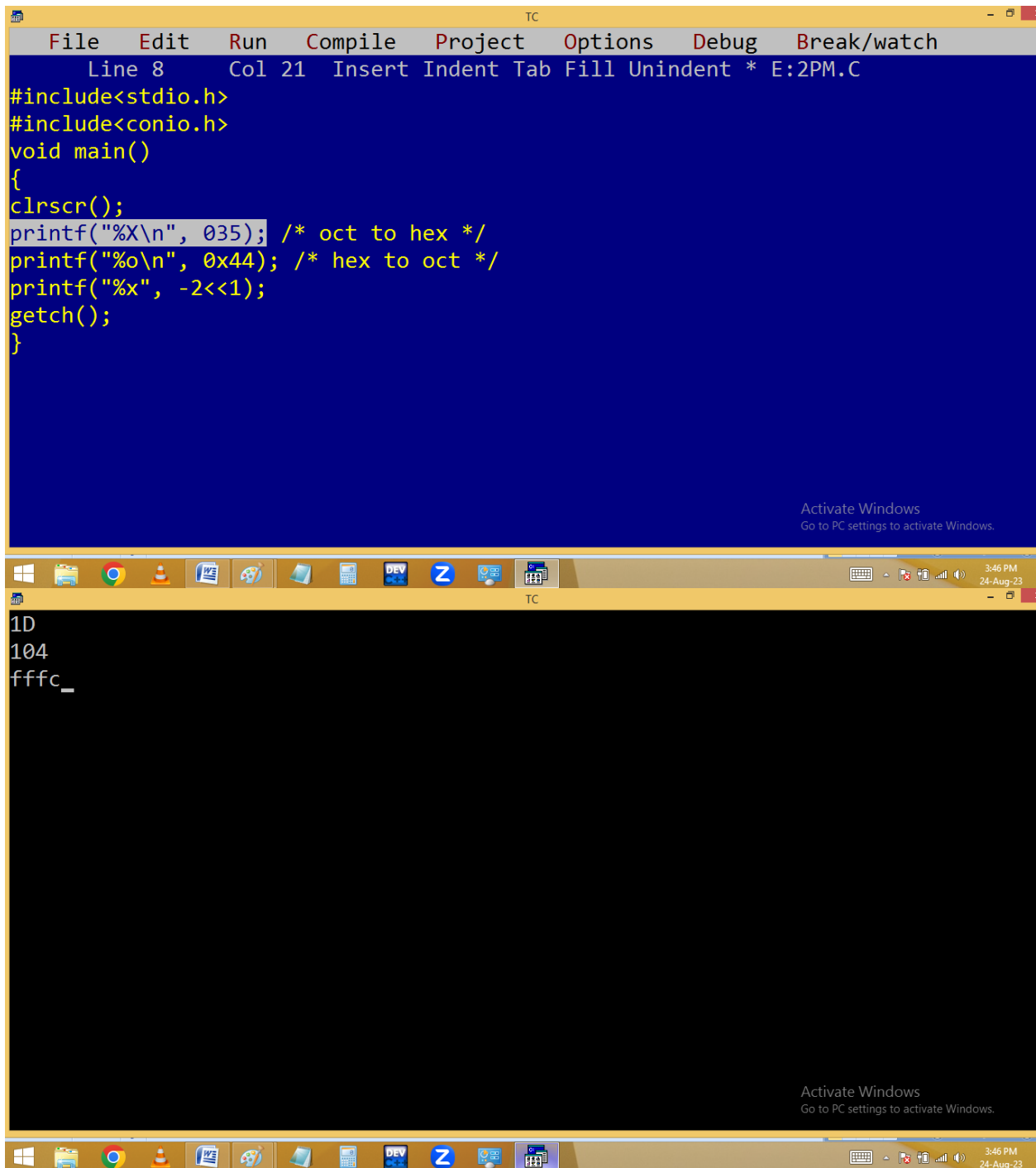
hexa to decimal

$$\begin{array}{r} 16 \overline{) 45} \\ 2-13 \end{array}$$

hexa to decimal

$$\begin{array}{r} 16 \overline{) 95} \\ 5-15 \end{array}$$

0-9 10-a, 11-b, 12-c, 13-d, 14-e, 15-f



The image shows a screenshot of a Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 21 Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("%X\n", 035); /* oct to hex */
printf("%o\n", 0x44); /* hex to oct */
printf("%x", -2<<1);
getch();
}
```

The bottom window shows the output of the program:

```
1D
104
fffc_
```

Both windows include a status bar at the bottom with the text "Activate Windows Go to PC settings to activate Windows." and a taskbar at the very bottom showing the time as 3:46 PM on 24-Aug-23.