

Finding scope of a local variable:

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a=100; /* local var */
clrscr();
printf("a=%d",a);
getch();
}

Activate Windows
Go to PC settings to activate Windows.

TC
a=100

Activate Windows
Go to PC settings to activate Windows.

TC
11:18 AM
24-Jun-24
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Error: Undefined symbol 'a' in function main
#include<stdio.h>
#include<conio.h>
void show()
{
int a=100; /* local var */
}

void main()
{
clrscr();
printf("a=%d",a);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

Finding global variable scope:

TC

File Edit Run Compile Project Options Debug Break/watch
Line 12 Col 8 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void show()
{
printf("a=%d\n",a);
}

void main()
{
clrscr();
show();
printf("a=%d",a);
getch();
}
```

Activate Windows

Go to PC settings to activate Windows.



a=100

a=100_

TC

Activate Windows

Go to PC settings to activate Windows.



Finding life time of a local variable:

TC

File Edit Run Compile Project Options Debug Break/watch

Line 9 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C

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

void show()
{
int a=100; /* local var */
printf("a=%d\n",++a);
}
void main()
{
clrscr();
show();
show();
show();
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

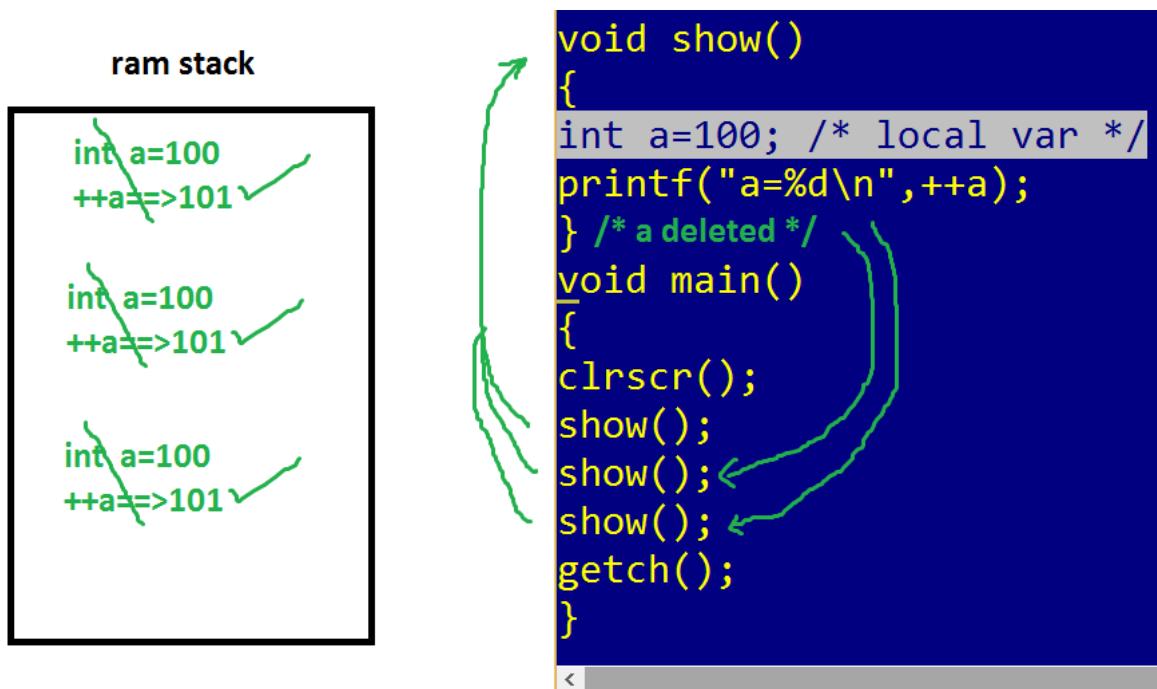


```
a=101
a=101
a=101
```

TC

Activate Windows
Go to PC settings to activate Windows.





Finding life time of global variable:

```

TC
File Edit Run Compile Project Options Debug Break/watch
Line 6 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void show()
{
    printf("a=%d\n",++a);
}
void main()
{
    clrscr();
    show();
    show();
    show();
    getch();
}

```

Activate Windows
Go to PC settings to activate Windows.

a=101
a=102
a=103

Activate Windows
Go to PC settings to activate Windows.

11:28 AM
24-Jun-24

Finding life time of a global variable:

TC

File Edit Run Compile Project Options Debug Break/watch
Line 6 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void show()
{
printf("a=%d\n",++a);
}
void main()
{
clrscr();
show();
show();
show();
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.



11:33 AM
24-Jun-24

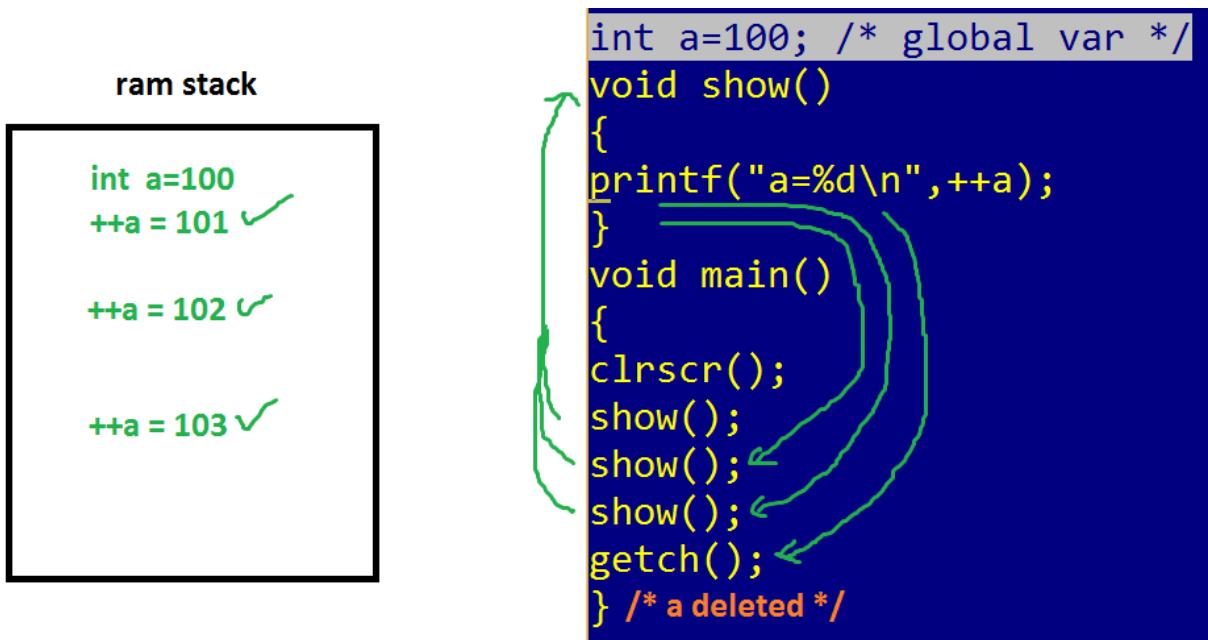
```
a=101
a=102
a=103
```

TC

Activate Windows
Go to PC settings to activate Windows.



11:33 AM
24-Jun-24



TC

File Edit Run Compile Project Options Debug Break/watch

Line 14 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C

```

#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void main()
{
int a=200; /* local var */
clrscr();
printf("a=%d\n",a);
getch();
}
/* a=200
Note:
When local and global with same name, always priority goes to local
*/

```

Activate Windows
Go to PC settings to activate Windows.

Windows Taskbar icons: File Explorer, Google Chrome, FileZilla, VLC, Notepad, DEV, WinRAR, Zoom, Microsoft Edge.

System tray: Keyboard, Battery, Volume, 11:39 AM, 24-Jun-24

Turbo C++ IDE

File Edit Search Run Compile Debug Project Options Window GL.CPP 2

```
#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void main()
{
    int a=200; /* local var */
    clrscr();
    printf("global a=%d\n",::a); // scope operator
    printf("local a=%d",a);
    getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

11:43 AM 24-Jun-24

```
global a=100
local a=200_
```

Activate Windows
Go to PC settings to activate Windows.

11:43 AM 24-Jun-24

TC

File Edit Run Compile Project Options Debug Break/watch
Line 16 Col 24 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void main()
{
int a=200; /* local var */
clrscr();
printf("a=%d\t",a);
{
int a=300; /* local var */
printf("a=%d\t",a);
}
printf("a=%d",a);
getch();
}
/* a=200  a=300  a=200 */
```

Activate Windows
Go to PC settings to activate Windows.

11:45 AM
24-Jun-24

```
int a=100; /* global var */
void main()
{
int a=200; /* local var */
clrscr();
printf("a=%d\t",a); 200
{
int a=300; /* local var */
printf("a=%d\t",a); 300
}
printf("a=%d",a); 200
getch();
}
/* a=200  a=300  a=200 */
```

TC

File Edit Run Compile Project Options Debug Break/watch

Line 16 Col 21 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void main()
{
int a=200; /* local var */
clrscr();
printf("a=%d\t",a);
{
a=300; /* var initialization */
printf("a=%d\t",a);
}
printf("a=%d",a);
getch();
}
/* a=200 a=300 a=300 */
```

Activate Windows
Go to PC settings to activate Windows.

```
int a=100; /* global var */
void main()
{
    300
int a=200; /* local var */
clrscr();
printf("a=%d\t",a); 200
{
a=300; /* var initialization */
printf("a=%d\t",a); 300
}
printf("a=%d",a);      300
getch();
}
/* a=200 a=300 a=300 */
```

TC

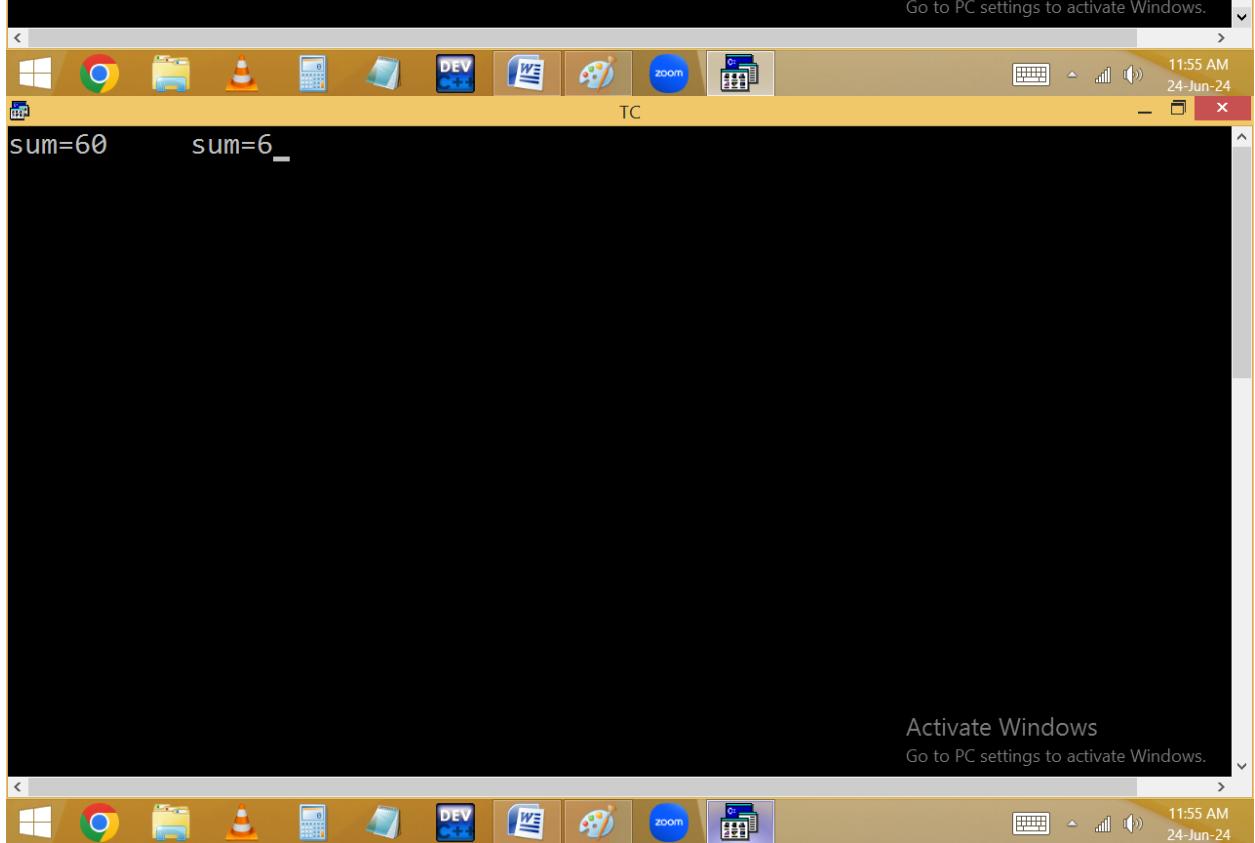
File Edit Run Compile Project Options Debug Break/watch

Line 15 Col 7 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
int a=100; /* global var */
void main()
{
clrscr();
printf("a=%d\t",a);
{
a=300; /* var initialization */
printf("a=%d\t",a);
}
printf("a=%d",a);
getch();
}
/* a=100  a=300  a=300 */
```

Activate Windows
Go to PC settings to activate Windows.

int a=100; 300* global var */
void main()
{
clrscr();
printf("a=%d\t",a); 100
{
a=300; /* var initialization */
printf("a=%d\t",a); 300
}
printf("a=%d",a); 300
getch();
}
/* a=100 a=300 a=300 */



The screenshot shows a Windows desktop environment with two identical windows of a C compiler application side-by-side. Both windows have a title bar 'TC' and a menu bar with options: File, Edit, Run, Compile, Project, Options, Debug, Break/watch. The status bar at the bottom of each window displays 'Line 14 Col 22 Insert Indent Tab Fill Unindent * E:11AM.C'. The code in both windows is identical:

```
#include<stdio.h>
#include<conio.h>
int a=1,b=2,c; /* global var */
void main()
{
clrscr();
{
int a=10, b=20, c; /* local var */
printf("sum=%d\t",a+b+c);
}
printf("sum=%d",a+b+c);
getch();
}
/* sum=Garbage sum=3 */
```

Activate Windows
Go to PC settings to activate Windows.

The screenshot shows the same Windows desktop environment with the two C compiler windows. In the second window from the top, there is a noticeable change in the code. The variable 'c' is now initialized to 30, and the output 'sum=' is replaced by 'sum=30'. The status bar at the bottom of this window displays 'Line 10 Col 17 Insert Indent Tab Fill Unindent * E:11AM.C'.

```
#include<stdio.h>
#include<conio.h>
int a=1,b=2,c; /* global var */
void main()
{
clrscr();
{
int a=10, b=20, c; /* local var */
printf("sum=%d\t",a+b+c);
c=30; /* init */
}
printf("sum=%d",a+b+c);
getch();
}
/* sum=Garbage sum=3 */
```

Activate Windows
Go to PC settings to activate Windows.

TC

File Edit Run Compile Project Options Debug Break/watch

Line 14 Col 16 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
int a=1,b=2,c; /* global var */
void main()
{
clrscr();
{
printf("sum=%d\t",a+b+c);
c=30; /* init */
}
printf("sum=%d",a+b+c);
getch();
}
/* sum=3 sum=33 */
```

Activate Windows
Go to PC settings to activate Windows.

Windows Taskbar icons: File Explorer, Google Chrome, File Manager, VLC, Calculator, Notepad, DEV, Word, Paint, Zoom, Task View

11:59 AM 24-Jun-24

TC

File Edit Run Compile Project Options Debug Break/watch

Error: Undefined symbol 'c' in function main

```
#include<stdio.h>
#include<conio.h>
int a=1,b=2; /* global var */
void main()
{
clrscr();
{
int c=3; /* local var */
printf("sum=%d\t",a+b+c);
} /* c deleted */
printf("sum=%d",a+b+c);
getch();
}
/* Error */
```

Activate Windows
Go to PC settings to activate Windows.

Windows Taskbar icons: File Explorer, Google Chrome, File Manager, VLC, Calculator, Notepad, DEV, Word, Paint, Zoom, Task View

12:02 PM 24-Jun-24

TC

File Edit Run Compile Project Options Debug Break/watch

Line 15 Col 21 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
int a=1,b=2,c=3; /* global var */
void main()
{
clrscr();
{
int c=10; /* local var */
printf("sum=%d\t",a+b+c);
}
c=30;
printf("sum=%d",a+b+c);
getch();
}
/* sum=13      sum=33 */
```

Activate Windows
Go to PC settings to activate Windows.



TC

```
sum=13      sum=33
```

Activate Windows
Go to PC settings to activate Windows.



TC

File Edit Run Compile Project Options Debug Break/watch

Error: Redeclaration of 'c' in function main

```
#include<stdio.h>
#include<conio.h>
int a=1,b=2,c=3; /* global var */
void main()
{
clrscr();
{
int c=10; /* local var */
int c=25;
printf("sum=%d\t",a+b+c);
}
c=30;
printf("sum=%d",a+b+c);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

Turbo C++ IDE

File Edit Search Run Compile Debug Project Options Window

[] 11AM.CPP 1

```
#include<conio.h>
int a=1,b=2,c=3; /* global var */
void main()
{
clrscr();
{
int c=10; /* local var */
printf("sum=%d\t",a+b+c);
}
int c=30;
printf("sum=%d",a+b+c);
getch();
}
// sum=13      sum=33
== 13:32 ==
```

12:05 PM
24-Jun-24

12:07 PM
24-Jun-24

scanf():

- 1. It allows to read the values at runtime from the user.**
- 2. It is a predefined function available in stdio.h**
- 3. In scanf, f means formatted.**
- 4. Scanf always refers standard input device i.e. keyboard.**

Syntax:

int scanf("conversion characters", &variable, &var,...);

Eg: finding no of conversion characters in scanf():

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
printf("Enter a, b values ");
c=scanf("%d%d", &a, &b);
printf("a=%d, b=%d conversions=%d",a,b,c);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

```
Enter a, b values 10 20
a=10, b=20 conversions=2
```

Activate Windows
Go to PC settings to activate Windows.

```
Windows 10 Taskbar icons: File Explorer, Edge, File Manager, VLC, Calculator, Notepad, DEV, Word, Paint, Zoom, Task View, Keyboard, Network, Sound, Date/Time (12:21 PM, 24-Jun-24)
```

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 18 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
printf("Enter a, b values ");
c=scanf("%d%d%d", &a, &b);
printf("a=%d, b=%d conversions=%d",a,b,c);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

```
TC
Enter a, b values 0
4
8
5
a=0, b=4 conversions=4Null pointer assignment
```

Activate Windows
Go to PC settings to activate Windows.

The image shows a Windows desktop environment with two Command Prompt windows open. The top window is titled 'TC' and contains the source code for a C program. The bottom window is also titled 'TC' and displays the execution and output of the program.

Top Window (TC):

```
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("Enter two values ");
printf("conversions=%d",scanf("%d%d"));
getch();
}
```

Bottom Window (TC):

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

Enter two values 57
123
conversions=2

Activate Windows
Go to PC settings to activate Windows.

12:23 PM
24-Jun-24
```

The taskbar at the bottom of the screen shows various pinned icons, including File Explorer, Google Chrome, and several application icons labeled 'DEV'. The system tray indicates the date and time as 12:23 PM on 24-Jun-24.

TC

File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 37 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b;
char name[20];
clrscr();
printf("Enter a, b values ");
scanf("%d%d", &a, &b);
printf("Enter ur name "); scanf("%s",name);
printf("a=%d, b=%d",a,b);
printf("Ur name is %s",name);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.



TC

```
Enter a, b values 1 2
Enter ur name Kishore
a=1, b=2Ur name is Kishore_
```

Activate Windows
Go to PC settings to activate Windows.



TC

File Edit Run Compile Project Options Debug Break/watch
Line 10 Col 39 Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a,b;
char name[20];
clrscr();
printf("Enter a, b values ");
scanf("%d%d", &a, &b);
printf("Enter ur name "); scanf("%s",&name);
printf("a=%d, b=%d",a,b);
printf("Ur name is %s",name);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.



TC

```
Enter a, b values 1 2
Enter ur name Kishore
a=1, b=2Ur name is Kishore
```

Activate Windows
Go to PC settings to activate Windows.



Contolling inputs in scanf():

```
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 27 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a value "); scanf("%d",&a);
printf("Enter b value "); scanf("%d",&b);
printf("a=%d, b=%d",a, b);
getch();
}
```

```
Activate Windows
Go to PC settings to activate Windows.
< > 12:26 PM
24-Jun-24
```

```
Windows Chrome File VLC DEV WE ZOOM TC
Enter a value 34
Enter b value 56
a=34, b=56_
```

```
Activate Windows
Go to PC settings to activate Windows.
< > 12:26 PM
24-Jun-24
```

```
TC
Enter a value 2 5
Enter b value a=2, b=5_
Activate Windows
Go to PC settings to activate Windows.

< >
Windows Chrome File VLC Calculator Notepad DEV WE Zoom TC
12:27 PM 24-Jun-24
TC
Enter a value 1 2 3
Enter b value a=1, b=2
Activate Windows
Go to PC settings to activate Windows.

< >
Windows Chrome File VLC Calculator Notepad DEV WE Zoom TC
12:28 PM 24-Jun-24
```

flushall():

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 12 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a value "); scanf("%d",&a);
flushall();
printf("Enter b value "); scanf("%d",&b);
printf("a=%d, b=%d",a, b);
getch();
}
```

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

TC
Enter a value 10 20
Enter b value 45
a=10, b=45

Activate Windows
Go to PC settings to activate Windows.

TC
12:29 PM
24-Jun-24
```

```
TC
Enter a value 1 2 3 4 5
Enter b value 9
a=1, b=9_
```

Activate Windows
Go to PC settings to activate Windows.

The taskbar at the bottom of the screen displays several icons for common applications: Start, File Explorer, VLC, Task View, File Explorer, DEV, File Explorer, Zoom, and File Explorer. On the right side of the taskbar, there are icons for keyboard, mouse, battery, signal strength, and volume, along with the system date and time (12:30 PM, 24-Jun-24).

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 13 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a value "); scanf("%d",&a);
fflush(stdin);
printf("Enter b value "); scanf("%d",&b);
printf("a=%d, b=%d",a, b);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.



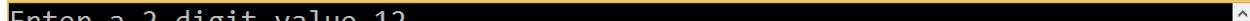
```
TC
Enter a value 3 7
Enter b value 4
a=3, b=4_
```

Activate Windows
Go to PC settings to activate Windows.



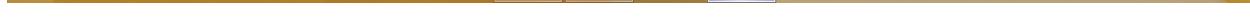
```
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 18 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a 2 digit value "); scanf("%d",&a);
printf("Enter a 4 digit value "); scanf("%d",&b);
printf("a=%d, b=%d",a, b);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.



```
Enter a 2 digit value 12
Enter a 4 digit value 3456
a=12, b=3456
```

Activate Windows
Go to PC settings to activate Windows.



```
TC
Enter a 2 digit value 1234
Enter a 4 digit value 23456
a=1234, b=23456_
Activate Windows
Go to PC settings to activate Windows.
< >
12:31 PM
24-Jun-24
```

```
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 44 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a 2 digit value "); scanf("%2d",&a);
printf("Enter a 4 digit value "); scanf("%4d",&b);
printf("a=%d, b=%d",a, b);
getch();
}
```

```
Activate Windows
Go to PC settings to activate Windows.
< >
Windows Start File Explorer VLC DEV File Zoom TC - X
12:33 PM
24-Jun-24
```

```
Enter a 2 digit value 24
Enter a 4 digit value 5655
a=24, b=5655_
```

```
Activate Windows
Go to PC settings to activate Windows.
< >
Windows Start File Explorer VLC DEV File Zoom TC - X
12:33 PM
24-Jun-24
```

```
TC
Enter a 2 digit value 12345
Enter a 4 digit value a=12, b=345_

```

```
TC
Activate Windows
Go to PC settings to activate Windows.
< >
12:34 PM
24-Jun-24
Windows Chrome File VLC Calculator DEV Word Paint Zoom Task View
Enter a 2 digit value 1234567890
Enter a 4 digit value a=12, b=3456

```

TC

File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 12 Insert Indent Tab Fill Unindent * E:11AM.C

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a 2 digit value "); scanf("%2d",&a);
flushall();_
printf("Enter a 4 digit value "); scanf("%4d",&b);
printf("a=%d, b=%d",a, b);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

12:36 PM
24-Jun-24

TC

```
Enter a 2 digit value 12345678
Enter a 4 digit value 545457
a=12, b=5454_
```

Activate Windows
Go to PC settings to activate Windows.

12:36 PM
24-Jun-24

```
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 13 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
int a, b;
clrscr();
printf("Enter a 2 digit value "); scanf("%2d",&a);
fflush(stdin);
printf("Enter a 4 digit value "); scanf("%4d",&b);
printf("a=%d, b=%d",a, b);
getch();
}
```

```
Activate Windows
Go to PC settings to activate Windows.
12:37 PM
24-Jun-24
```

```
Enter a 2 digit value 555555
Enter a 4 digit value 666666
a=55, b=6666_
```

```
Activate Windows
Go to PC settings to activate Windows.
12:37 PM
24-Jun-24
```

Finding area and circumference of a circle.

The image shows a Windows desktop environment with two terminal windows. The top window is a code editor (TC) displaying a C program to calculate the area and circumference of a circle. The bottom window is a command-line terminal (cmd) showing the execution and output of the program.

Code Editor (TC) Window:

```
#include<stdio.h>
#include<conio.h>
void main()
{
const float pi=3.14;
float area,cf,r;
clrscr();
printf("Enter circle radius "); scanf("%f",&r);
area = pi * r * r;
cf = 2 * pi * r;
printf("Area=%f, cf=%f",area, cf);
getch();
}
```

Command Line Terminal (cmd) Window:

```
Enter circle radius 10
Area=314.000000, cf=62.800003
```

The taskbar at the bottom of the screen shows various application icons, including a Dev C++ icon. A system tray notification indicates "Activate Windows" with the message "Go to PC settings to activate Windows." The system clock shows the time as 12:40 PM on June 24, 2024.

The image shows a Windows desktop environment with three windows open:

- Top Window (Terminal):** A black terminal window titled "TC". It displays the following text:

```
Enter circle radius 2
Area=12.560000, cf=12.560000
```
- Middle Window (Code Editor):** A dark-themed code editor window titled "TC". It shows a C program named "E:11AM.C":

```
#include<stdio.h>
#include<conio.h>
void main()
{
const float pi=3.14;
float area,cf,r;
clrscr();
printf("Enter circle radius "); scanf("%f",&r);
area = pi * r * r;
cf = 2 * pi * r;
printf("Area=%.2f, cf=%.2f",area, cf);
getch();
}
```
- Bottom Window (System Tray):** The Windows taskbar at the bottom of the screen, which includes icons for various applications like File Explorer, Google Chrome, and Zoom, along with system status indicators.

A watermark for "Activate Windows" is visible across all three windows.

The image shows a Windows desktop environment with three windows open:

- Top Window (Terminal):** A black terminal window titled "TC". It displays the output of a C program:

```
Enter circle radius 10
Area=314.00, cf=62.80
```
- Middle Window (Code Editor):** A dark-themed code editor window titled "TC". It shows a C program named "E:11AM.C":

```
#include<stdio.h>
#include<conio.h>
#define pi 3.14 /* macro */
void main()
{
float area,cf,r;
clrscr();
printf("Enter circle radius "); scanf("%f",&r);
area = pi * r * r;
cf = 2 * pi * r;
printf("Area=%2f, cf=%2f",area, cf);
getch();
}
```
- Bottom Window (System Tray):** The Windows taskbar, which includes icons for various applications like File Explorer, Google Chrome, and Zoom, along with system status indicators.

A watermark for "Activate Windows" is visible across all three windows.

```
Enter circle radius 10
Area=314.00, cf=62.80_
Activate Windows
Go to PC settings to activate Windows.

File Edit Run Compile Project Options Debug Break/watch
Error: Lvalue required in function main
#include<stdio.h>
#include<conio.h>
#define pi 3.14 /* macro */
void main()
{
float area,cf,r;
pi=_20;
clrscr();
printf("Enter circle radius "); scanf("%f",&r);
area = pi * r * r;
cf = 2 * pi * r;
printf("Area=%2f, cf=%2f",area, cf);
getch();
}

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

Finding area of a triangle.

```
File Edit Run Compile Project Options Debug Break/watch
Line 9 Col 24 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
float b, h,area;
clrscr();
printf("Enter base, height values ");
scanf("%f %f", &b, &h);
area = 0.5*b*h; /* area=b*h/2 */
printf("Area=%.2f", area);
getch();
}
```

Activate Windows
Go to PC settings to activate Windows.

```
Enter base, height values 10 20
Area=100.00
```

Activate Windows
Go to PC settings to activate Windows.

The image shows a Windows desktop environment with two terminal windows open, both running the Turbo C++ compiler (TC). The top window displays the source code for a C program that calculates the area of a triangle. The bottom window shows the execution of the program and its output.

Top Window (Compiler Output):

```
File Edit Run Compile Project Options Debug Break/watch
Line 8 Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
{
float b, h;
clrscr();
printf("Enter base, height values ");
scanf("%f %f", &b, &h);
printf("Area=%f", b*h/2);
getch();
}
```

Bottom Window (Terminal Output):

```
Activate Windows
Go to PC settings to activate Windows.
12:46 PM
24-Jun-24
TC
Enter base, height values 10 20
Area=100.00_
```

The taskbar at the bottom of the screen shows various pinned icons, including a DEV icon which likely points to the Turbo C++ IDE. The system tray indicates the date and time as 12:46 PM on June 24, 2024.

