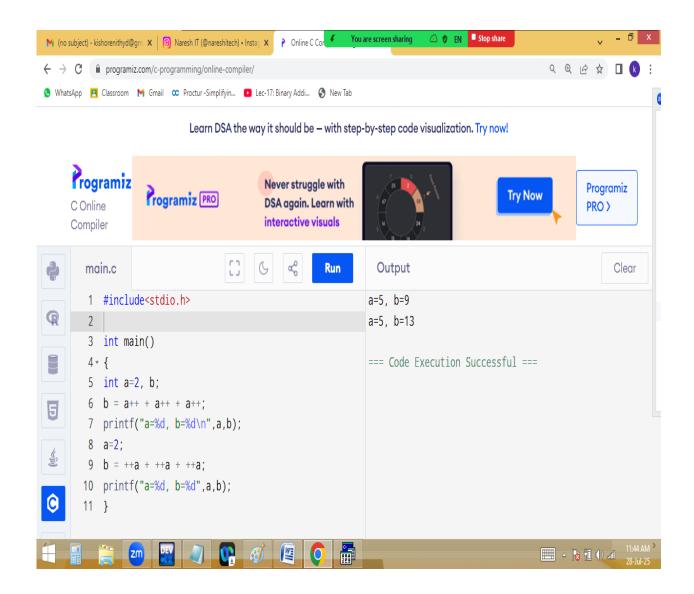
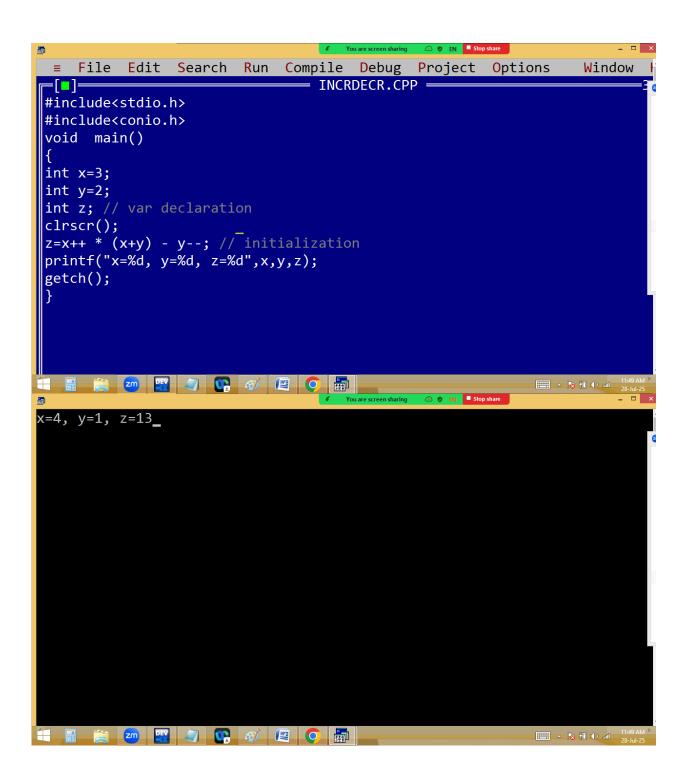
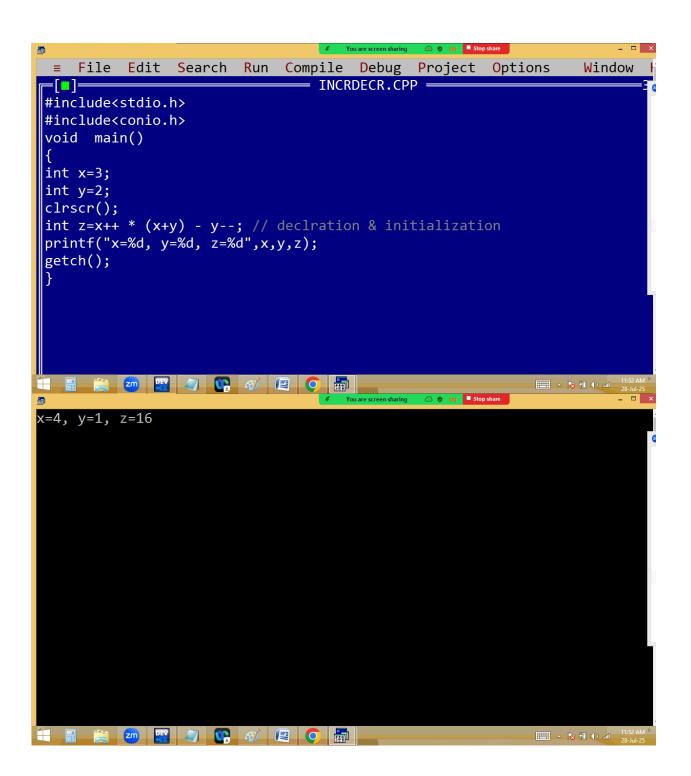


Online compiler or Dev C++:



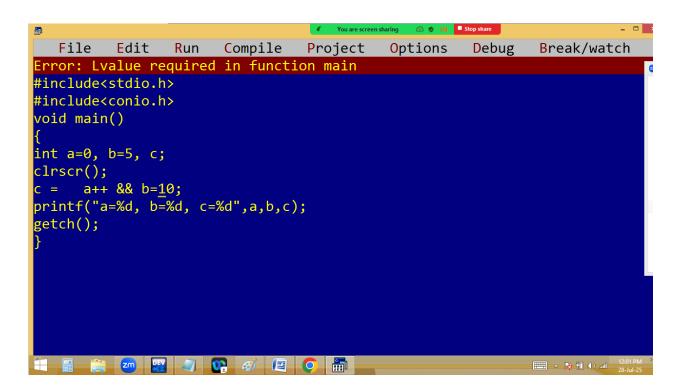




x=3
y=2
int z = x++ * (x+y)-y--;
$$3 \times (4+a) - 2$$

 3×6
 $18 - 2 = 16$

```
File Edit Run Compile Project Options Debug Break/watch
           Col 25 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
int a=0, b=5, c;
clrscr();
c = a++ && --b;
printf("a=%d, b=%d, c=%d<u>"</u>,a,b,c);
getch();
You are screen sharing O V N Stop share
a=1, b=5, c=0<u></u>
  ———— ^ 🕞 📆 (♦) ail 11:58 AM 28-Jul-25
```



Compound assignment / short hand operators?

Here we are using one assignment operator with the combination of other operators as follows.

Example:

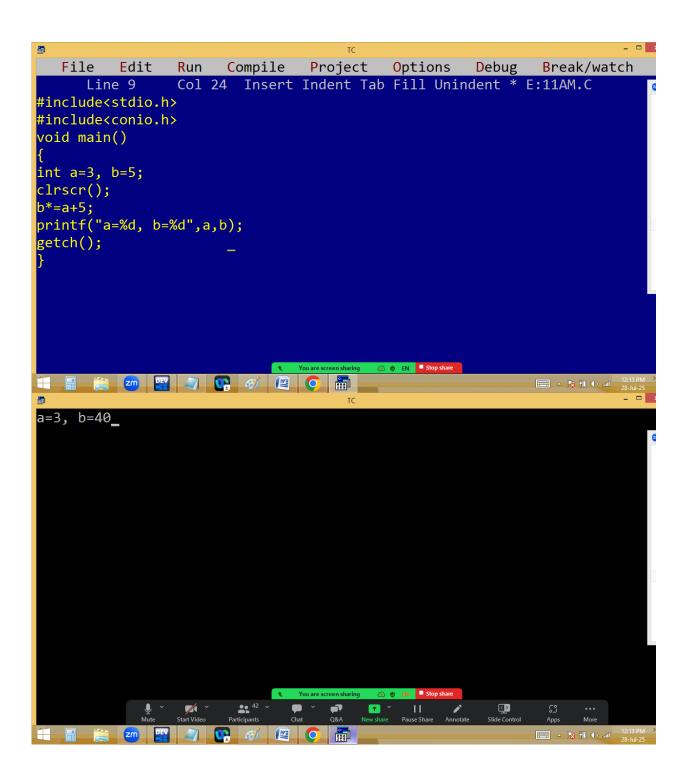
int
$$a=3$$
, $b=10$;

$$a+=2 \rightarrow a=a+2 \rightarrow a=3+2 \rightarrow a=5$$

 $b^*=10 \rightarrow b=b^*10 \rightarrow b=5^*10 \rightarrow b=50$

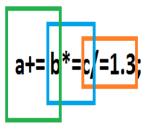
 $c/=2 \Rightarrow c=c/2 \Rightarrow c=5/2 \Rightarrow c=2.500000$

```
File Edit Run Compile Project Options Debug Break/watch
               Col 1 Insert Indent Tab Fill Unindent * E:11AM.C
     Line 11
#include<stdio.h>
#include<conio.h>
void main()
int a=3, b=5;
float c=5;
clrscr();
a+=2;
b*=10;
c/=2;
printf("a=%d, b=%d, c=%f",a,b,c);
getch();
a=5, b=50, c=2.500000
         _____ ^ ₹ 10 (b) and 28-Jul-
```



```
File Edit Run
                Compile Project Options Debug Break/watch
          Col 10 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void main()
int a=10.3, b=5.5, c=2.2;
clrscr();
a+=b*=c/=1.3;
printf("a=%d, b=%d, c=%d",a,b,c);
getch();
a=15, b=5, c=1_
  12:17 PM
```

int a=10 b=5 c=2;

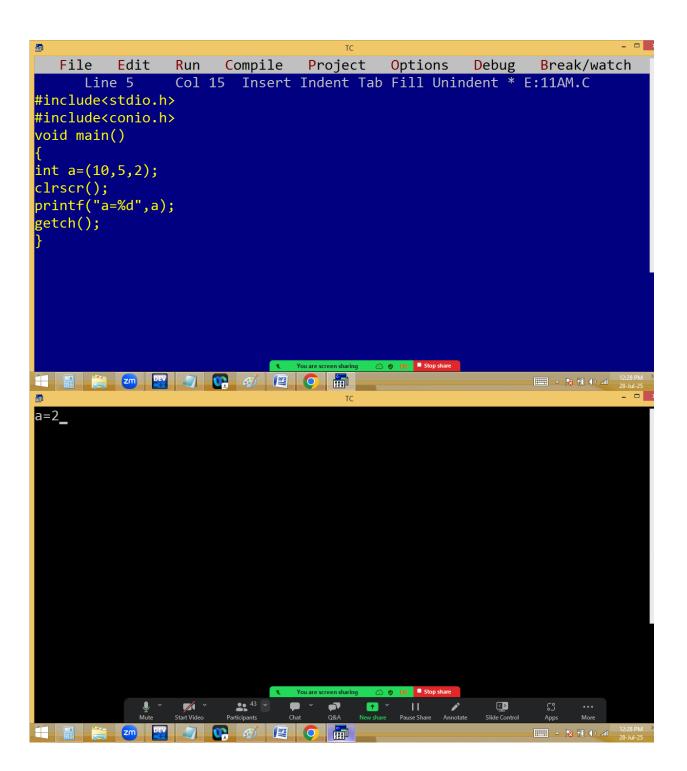


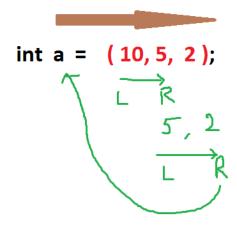
() and, separators:

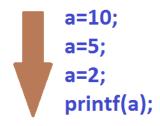
```
File
         Edit
               Run
                     Compile
                              Project
                                       Options
                                                Debug
                                                        Break/watch
#include<stdio.h>
#include<conio.h>
void main()
int a=10,5,2;
clrscr();
printf("a=%d",a);
getch();
                   12:26 PN
```

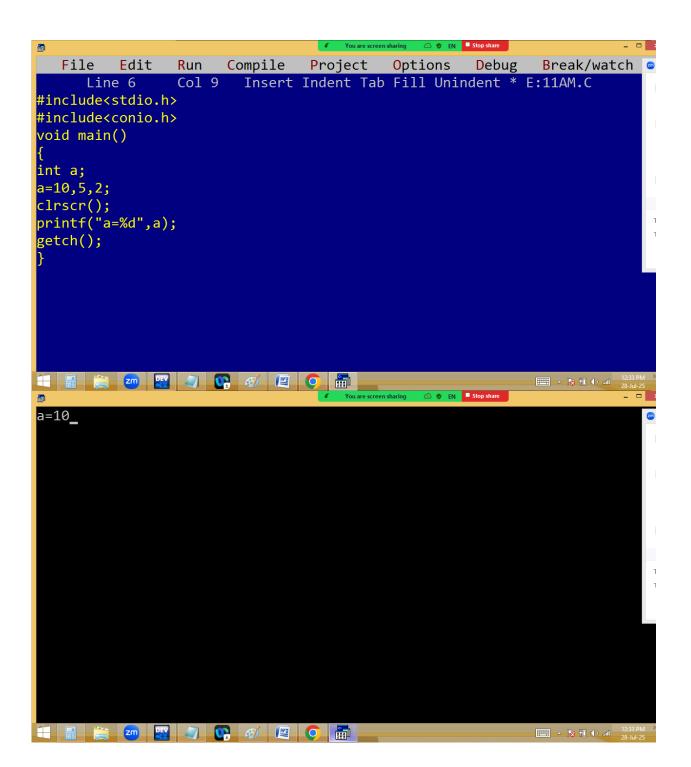
Variable declaration:

Datatype variable = value, variable = value,...;

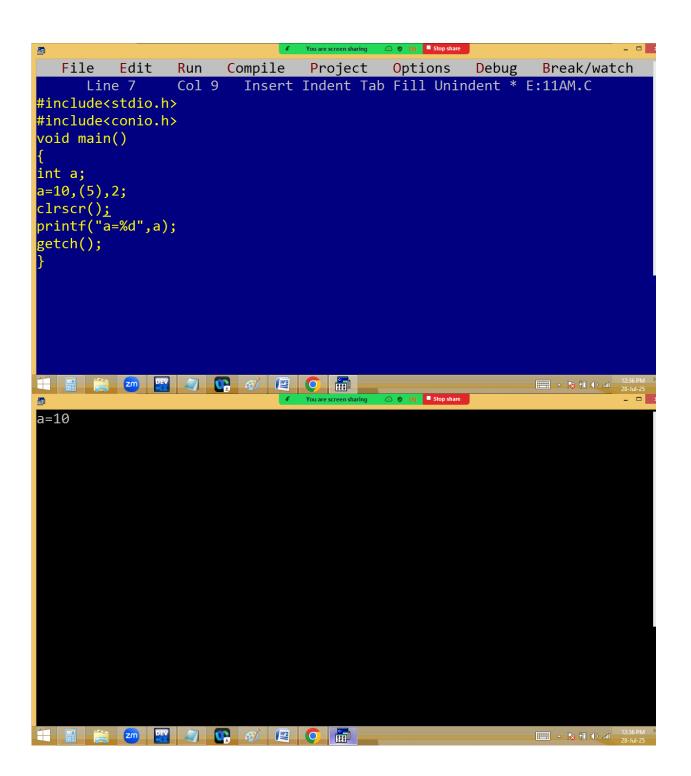


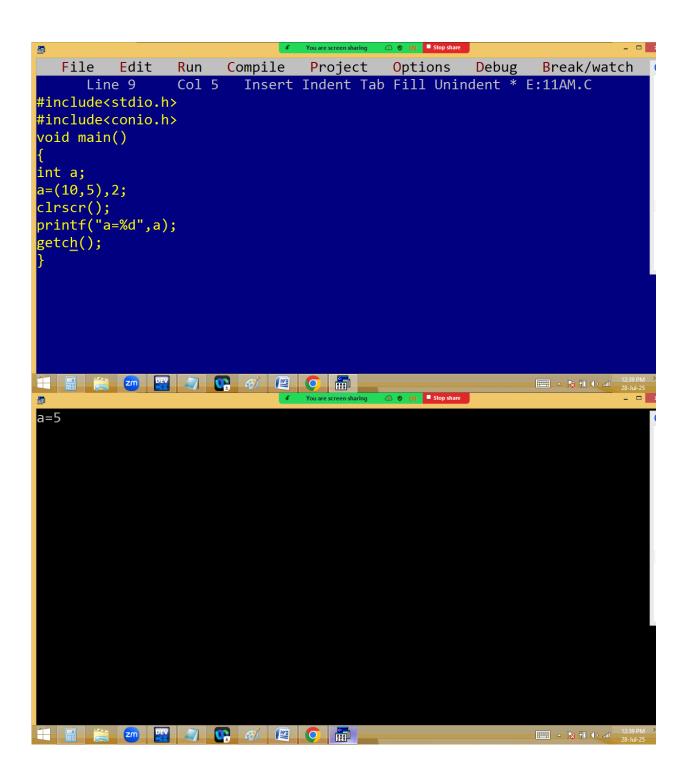




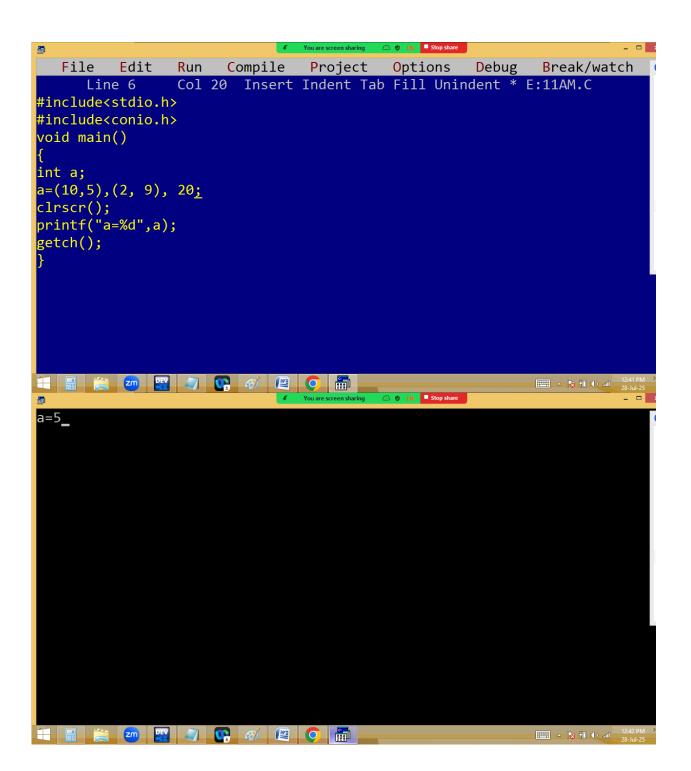


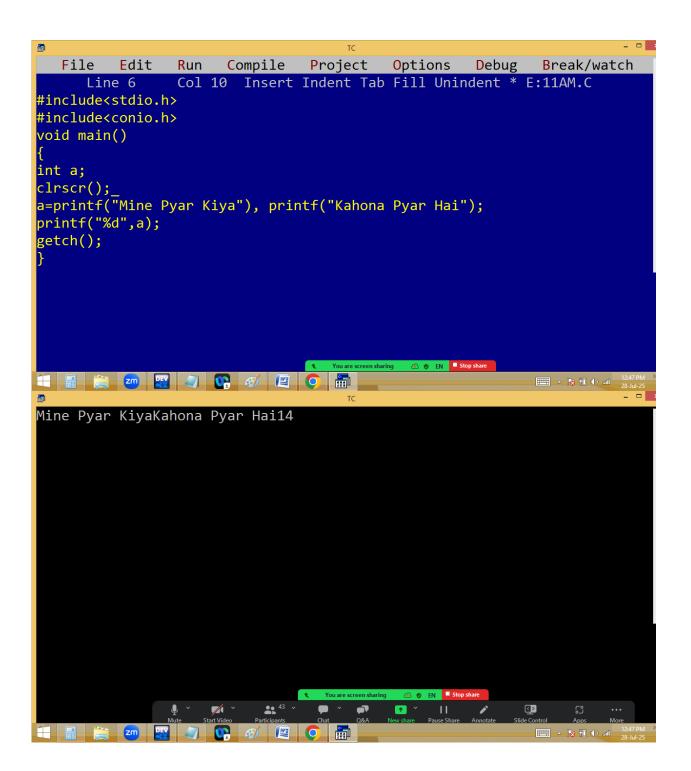
int a; // declaration a = 10, 5, 2; // initialization





$$a=(10, 5), 2;$$
 L
 R
 $C = 5, 2$





a = p("Mine Pyar Kiya"), p("Kahona Pyar Hai");