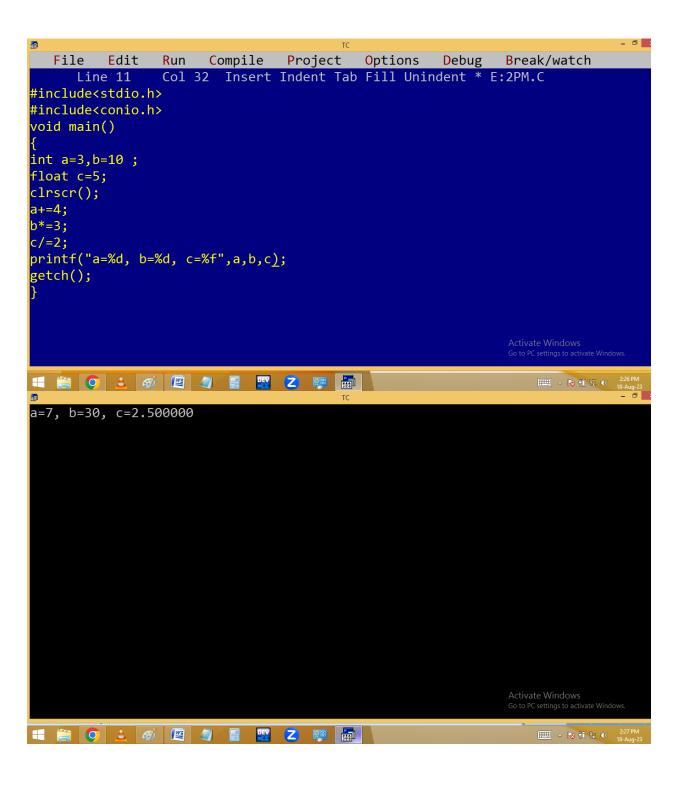
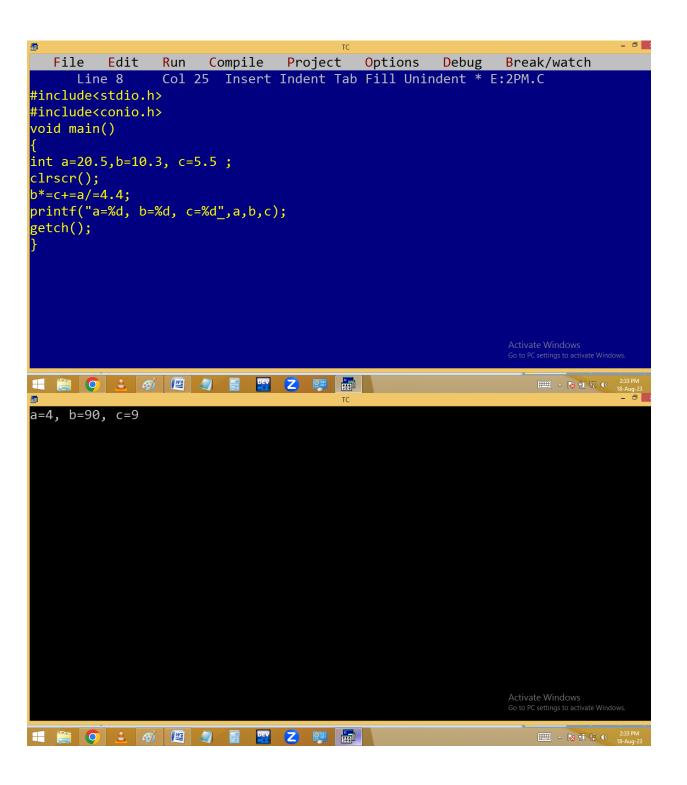
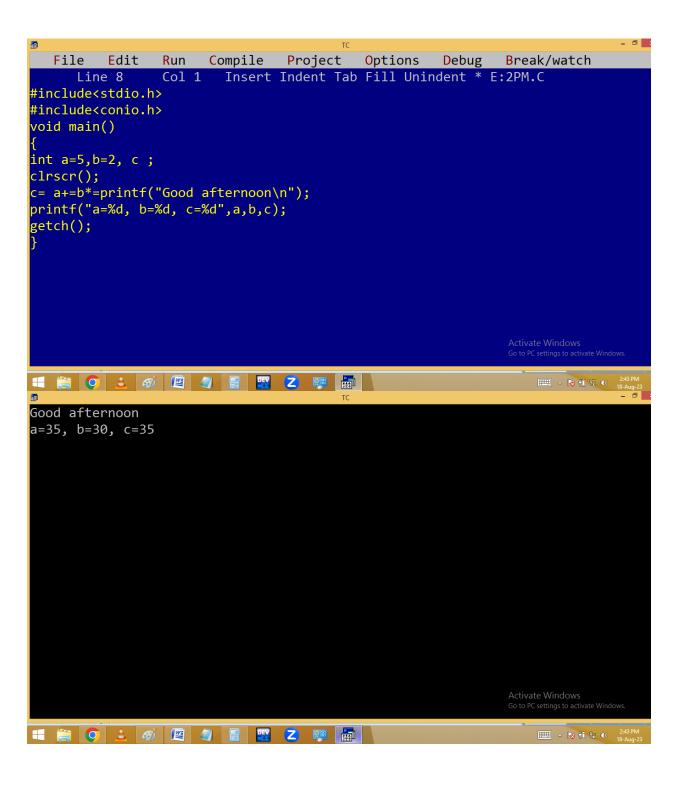
Compound assignment / short hand operator:

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

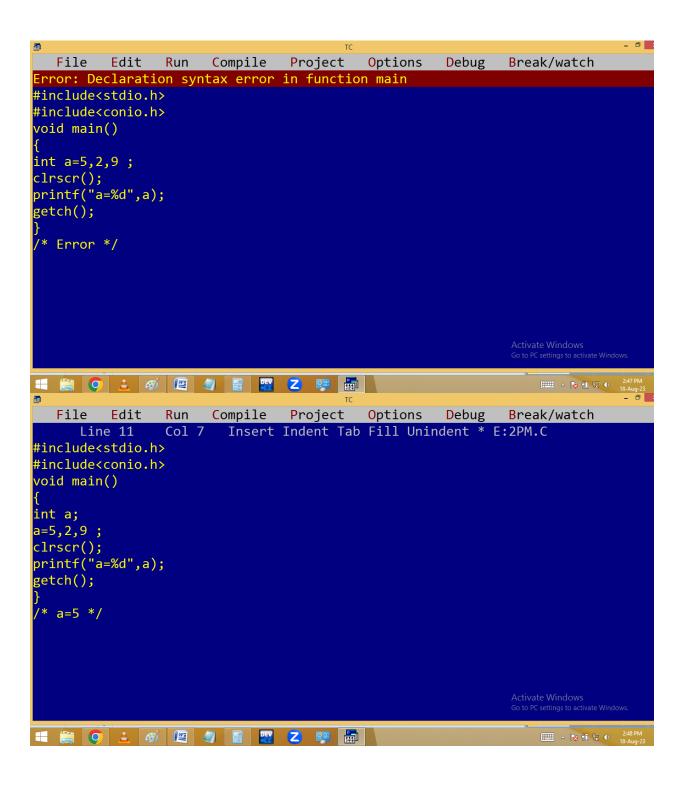
+=, -=, *=, %=, /=, <<=, >>=, ~=,.....
Eg:
int a=3, b=10;
float c=5;
a+=4; i.e. a=a+4
$$\Rightarrow$$
 a=3+4 \Rightarrow a=7
b*=3; i.e. b=b*3 \Rightarrow b=10*3 \Rightarrow b=30
c/=2; i.e. c=c/2 \Rightarrow c=5/2 \Rightarrow 2.500000







() and, separators:

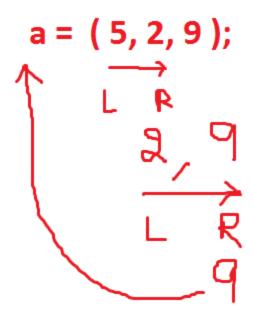


```
int a; /* declaration */
a=5, 2, 9; /* initialization */
```

```
File Edit Run Compile Project Options Debug Break/watch
Line 11 Col 7 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{
int a;
a=(5,2,9);
clrscr();
printf("a=%d",a);
getch();
}
/* a=9 */

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



```
_ 0
 File Edit Run Compile Project
                                 Options Debug Break/watch
     Line 6
             Col 5
                   Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int a=(5,2,9);
clrscr();
printf("a=%d",a);
getch();
 * a=9 */
File Edit Run Compile Project Options Debug Break/watch
     Line 11
             Col 7
                   Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int a;
a=5,(2),9 ;
clrscr();
printf("a=%d",a);
getch();
/* a=5 */
```

```
File Edit Run Compile Project Options Debug Break/watch

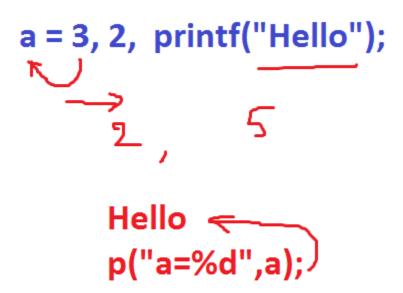
Line 11 Col 7 Insert Indent Tab Fill Unindent * E:2PM.C

#include<stdio.h>
#include<conio.h>
void main()
{
int a;
a=(5,2),9;
clrscr();
printf("a=%d",a);
getch();
}
/* a=2 */

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

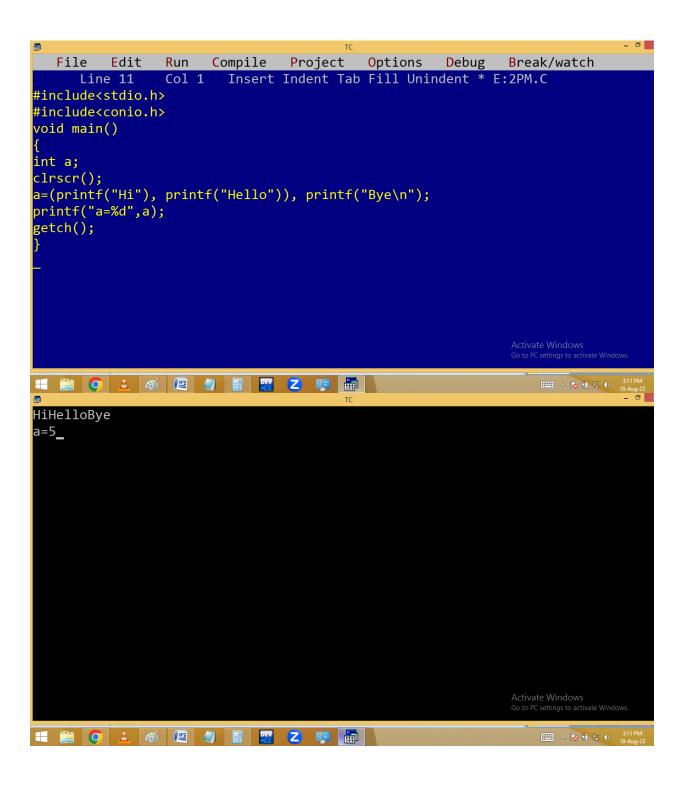
```
File Edit
              Run Compile Project
                                    Options Debug Break/watch
              Col 12 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 11
#include<stdio.h>
#include<conio.h>
void main()
int a;
clrscr();
a=(5,2,printf("Hello")); ;
printf("a=%d",a);
getch();
/* Helloa=5 */
□□□□ △ 🔯 📆 😭 (1) 3:03 PM
```

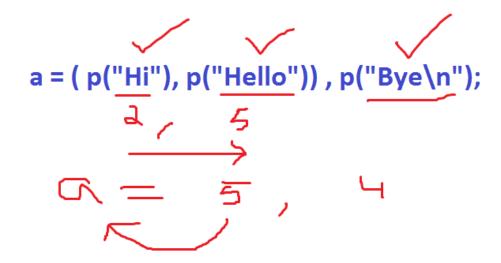
```
File Edit
               Run Compile Project
                                      Options Debug Break/watch
               Col 12 Insert Indent Tab Fill Unindent * E:2PM.C
     Line 11
#include<stdio.h>
#include<conio.h>
void main()
int a;
clrscr();
a=3,2,printf("Hello");
printf("a=%d",a);
getch();
/* Helloa=3 */
  □□□□ △ 🔯 🗊 🖫 (1) 3:06 PM
```



```
_ 0
  File Edit Run Compile Project Options Debug Break/watch
             Col 4
                   Insert Indent Tab Fill Unindent * E:2PM.C
    Line 11
#include<stdio.h>
#include<conio.h>
void main()
int a;
clrscr();
a=(1,2),3,(4,5);
printf("a=%d",a);
getch();
/* a=2 */
```

```
_ 0
  File Edit
             Run Compile Project
                                 Options Debug Break/watch
    Line 11
             Col 7
                   Insert Indent Tab Fill Unindent * E:2PM.C
#include<stdio.h>
#include<conio.h>
void main()
int a;
clrscr();
a=((1,2),3),(4,5);
printf("a=%d",a);
getch();
/* a=3 */
```





Address operators:

- 1. & Address of variable / memory
- 2. * pointer [Address of another variable]

```
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#include<stdio.h>
#include<conio.h>
void main()
{

int a=100;

int * p; /* ptr var */

clrscr();

p = &a;

printf("a value=%d\n",a);

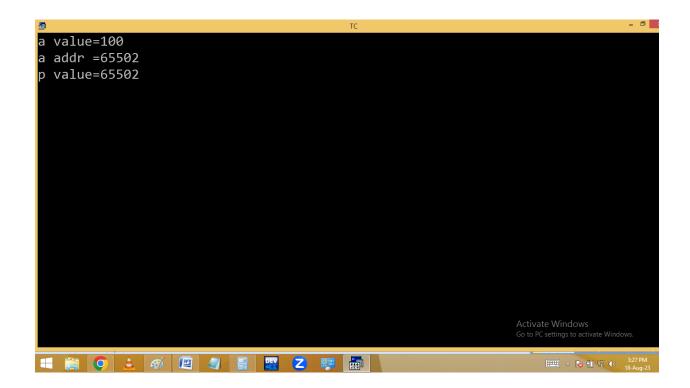
printf("a value=%d\n",&a);

printf("a value=%u\n",&a);

printf("p value=%u",p);

getch();
}

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



sizeof(): It return the no of bytes taken by a variable / data type / value.

