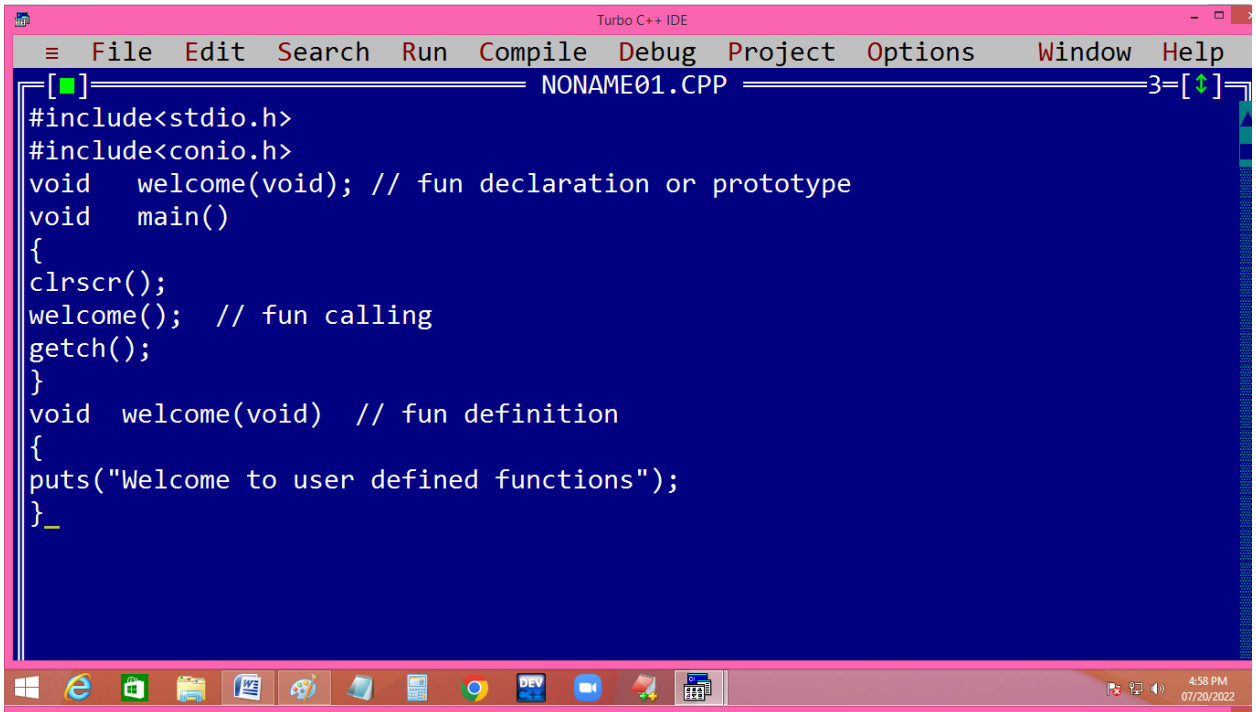
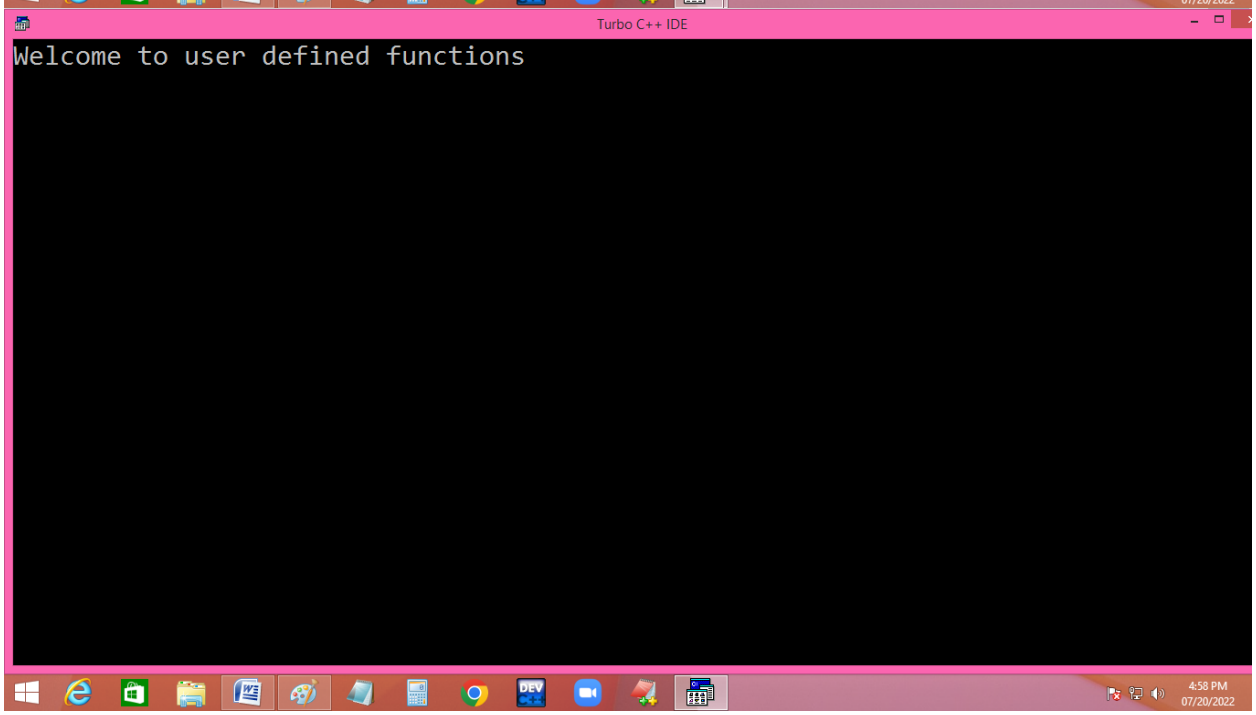
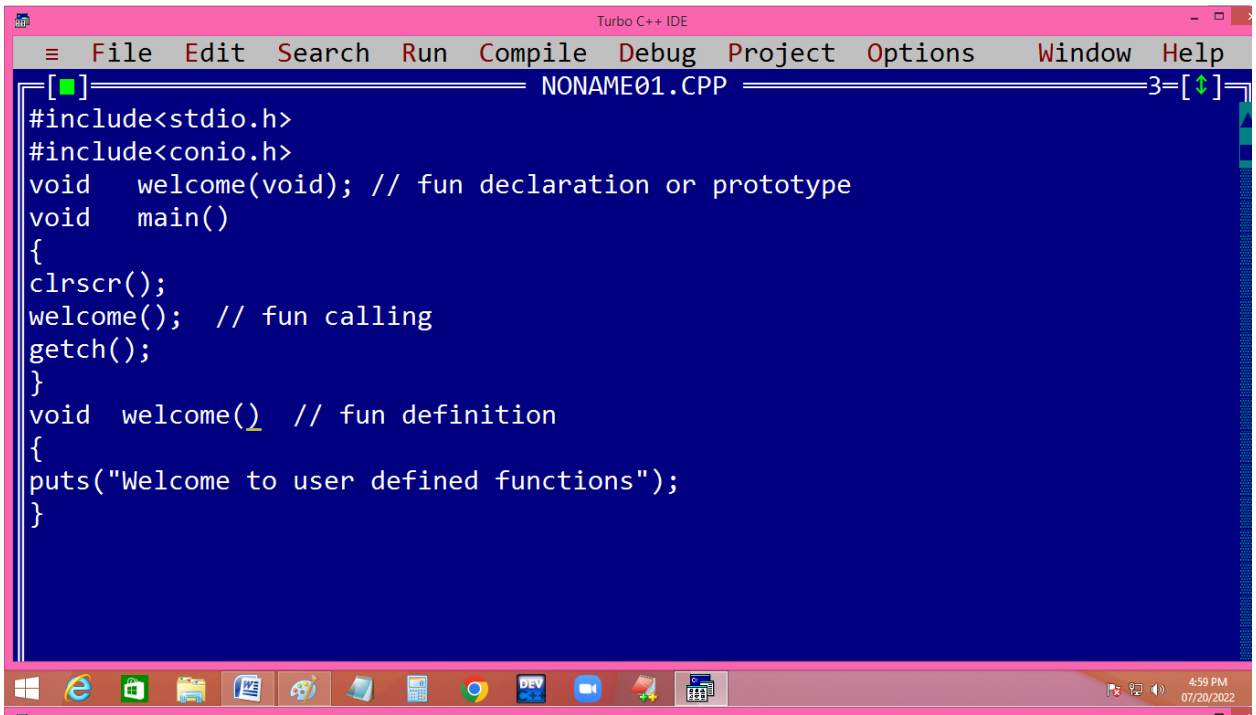
Function without arguments, without return value.






Turbo C++ IDE
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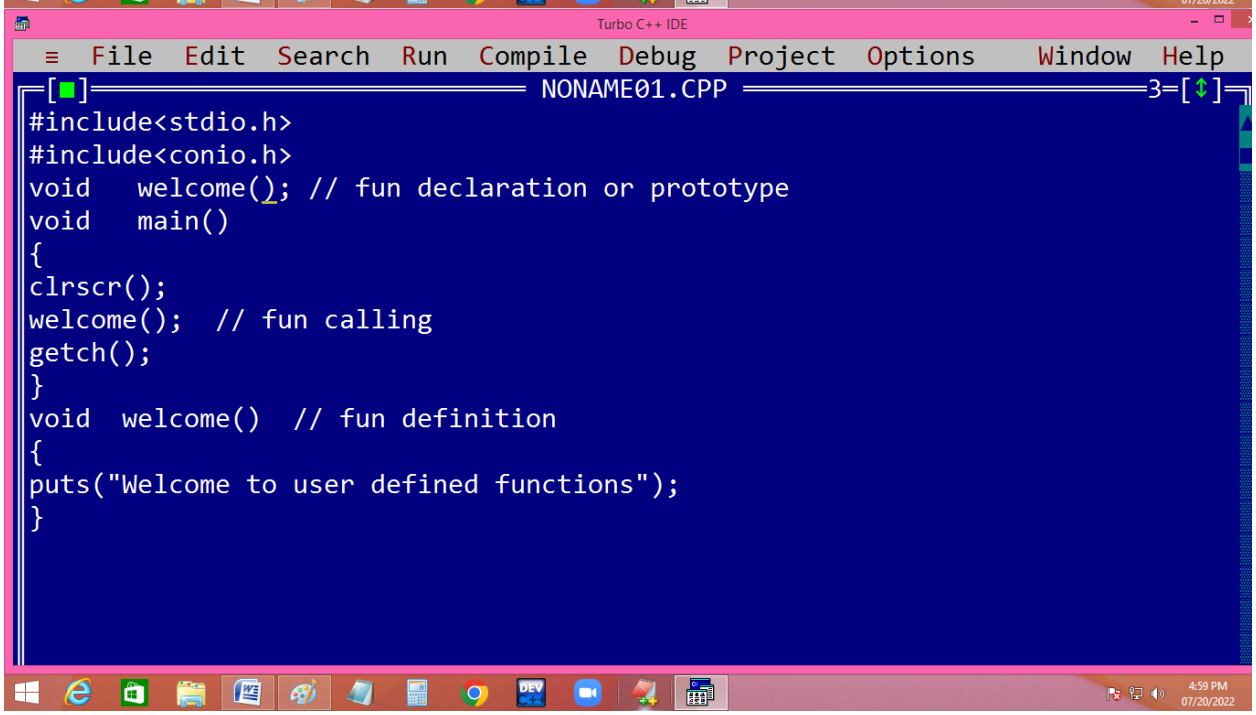
NONAME01.CPP
#include<stdio.h>
#include<conio.h>
void welcome(void); // fun declaration or prototype
void main()
{
clrscr();
welcome(); // fun calling
getch();
}
void welcome() // fun definition
{
puts("Welcome to user defined functions");
}


Turbo C++ IDE
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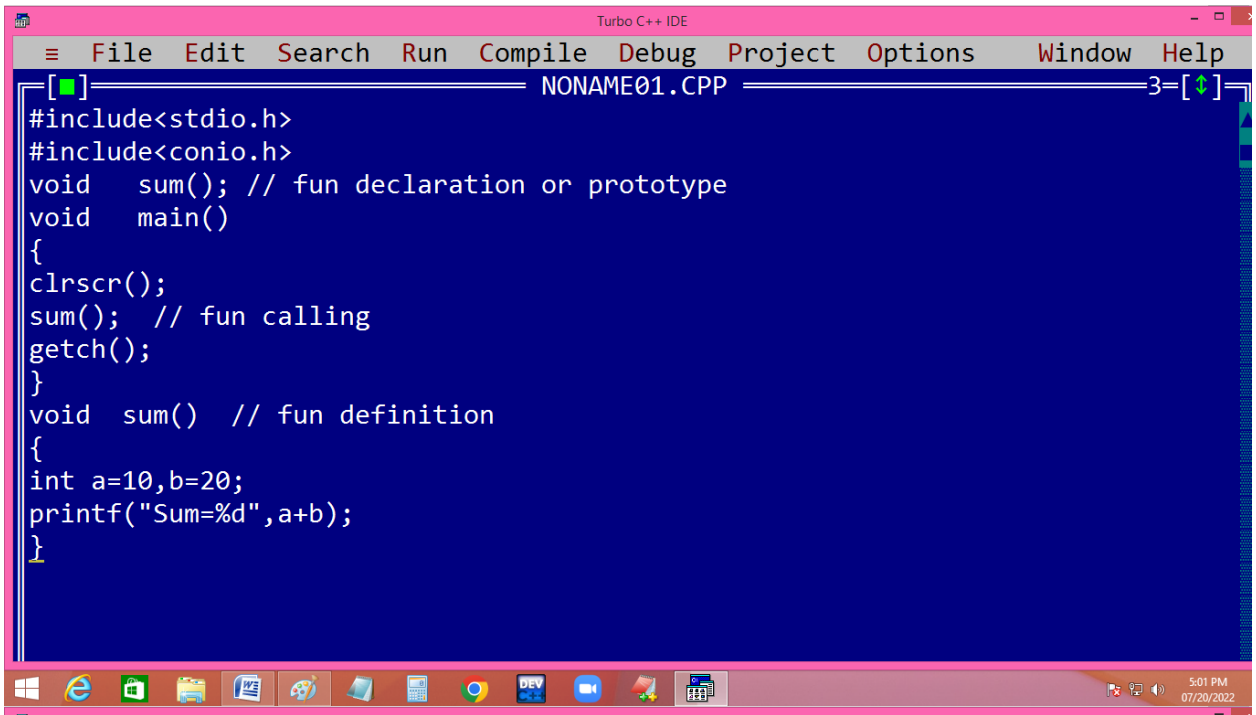
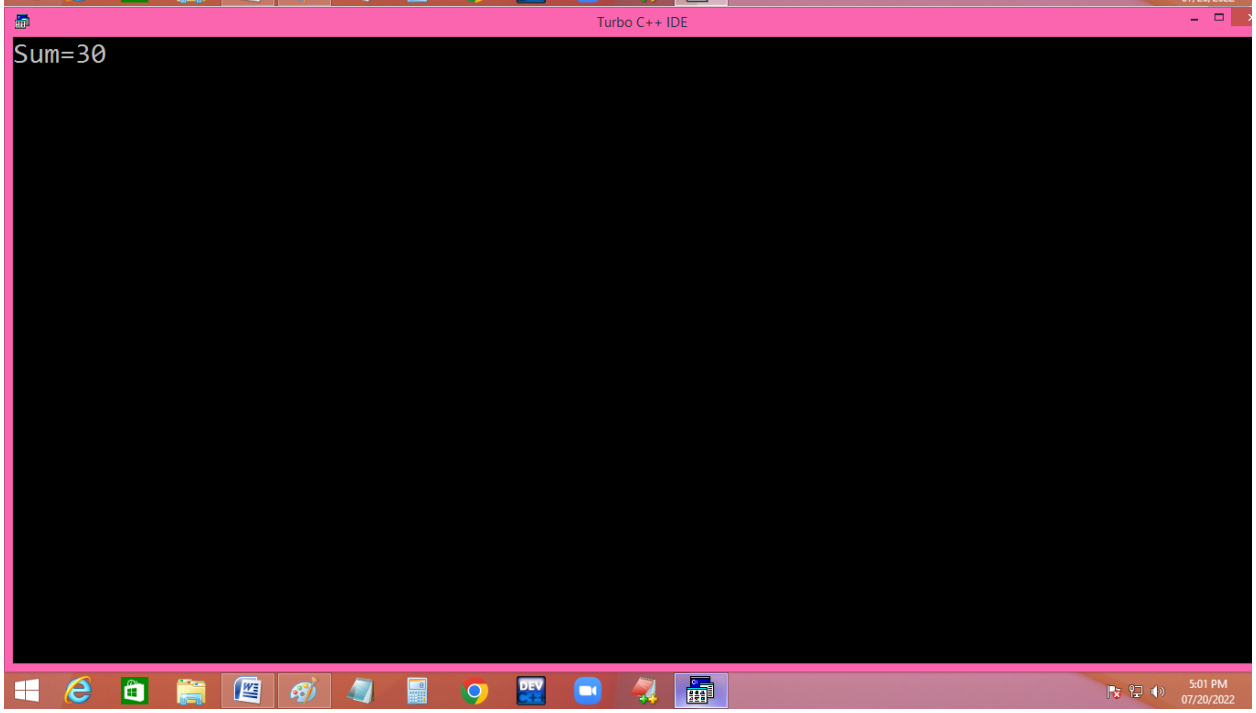
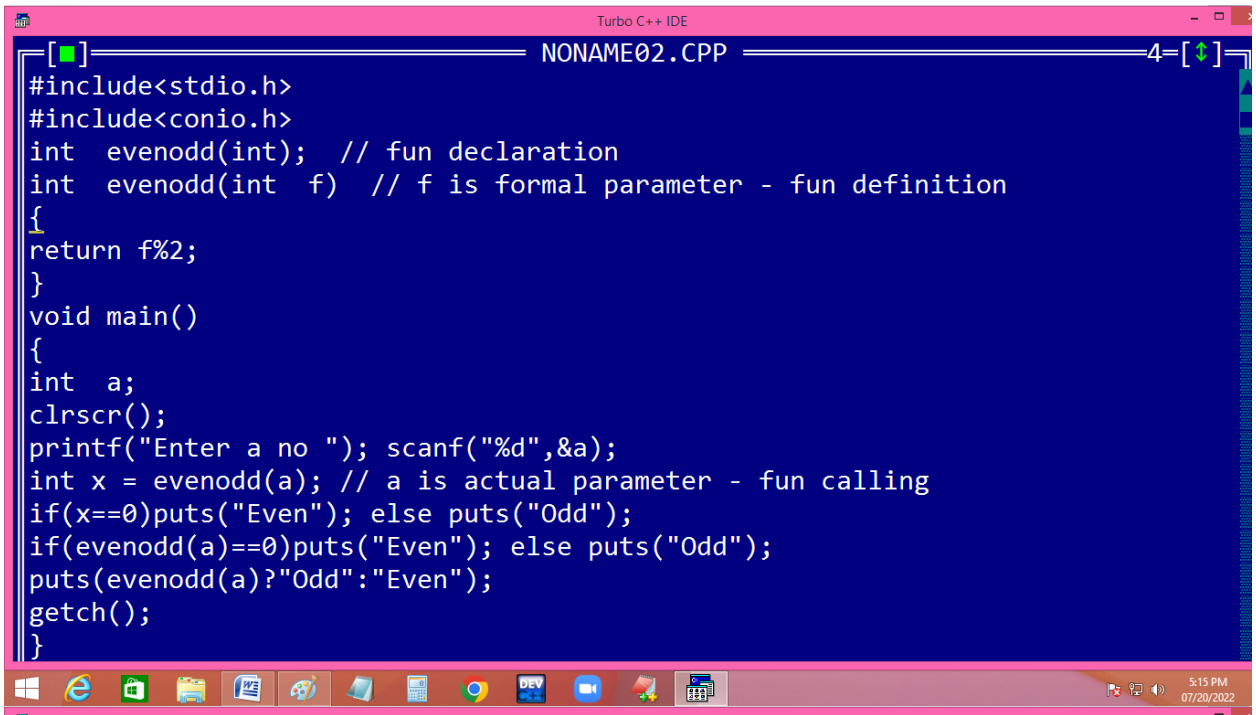
NONAME01.CPP
#include<stdio.h>
#include<conio.h>
void welcome(); // fun declaration or prototype
void main()
{
clrscr();
welcome(); // fun calling
getch();
}
void welcome() // fun definition
{
puts("Welcome to user defined functions");
}





Function with arguments, with return value.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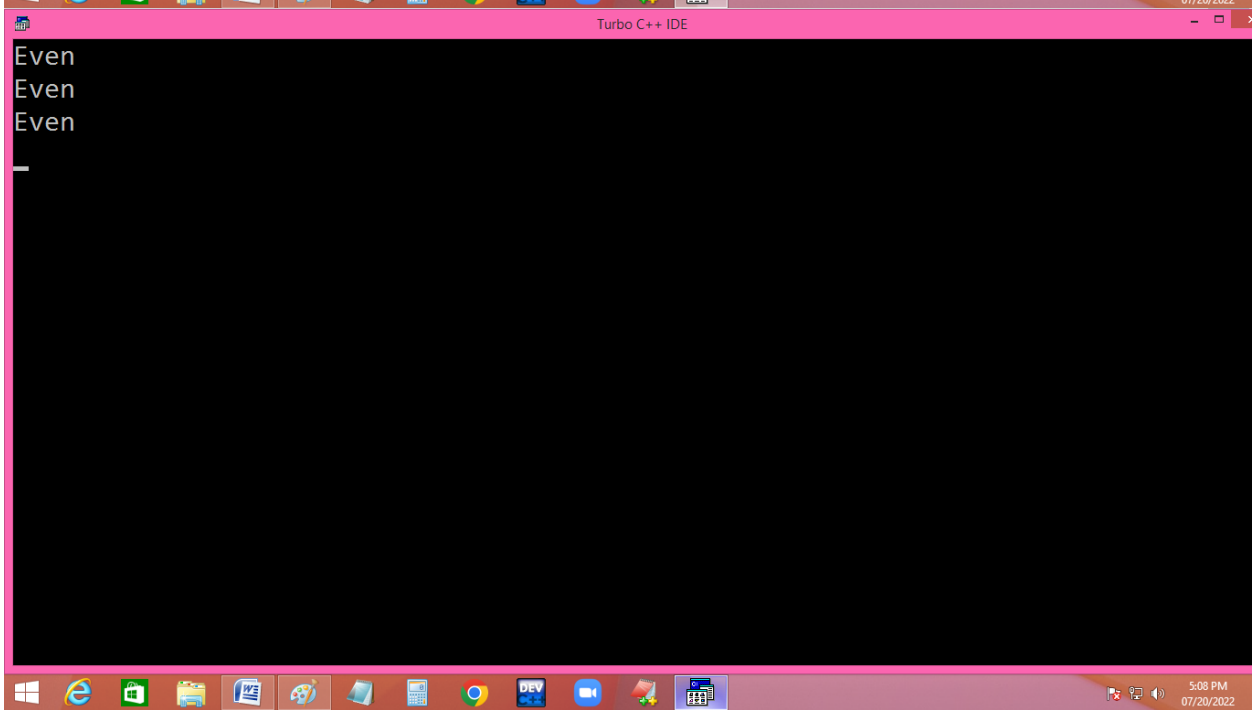
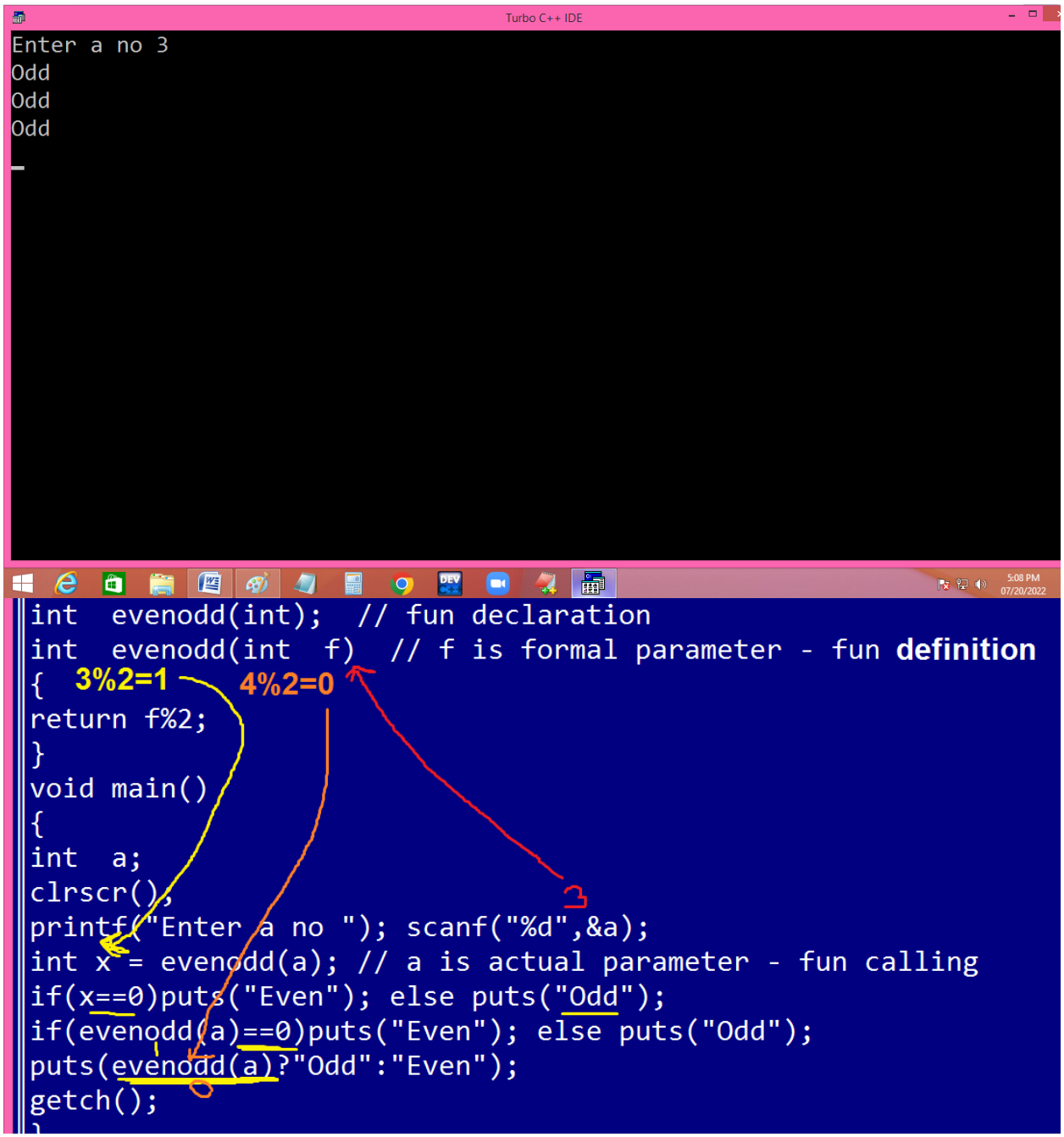
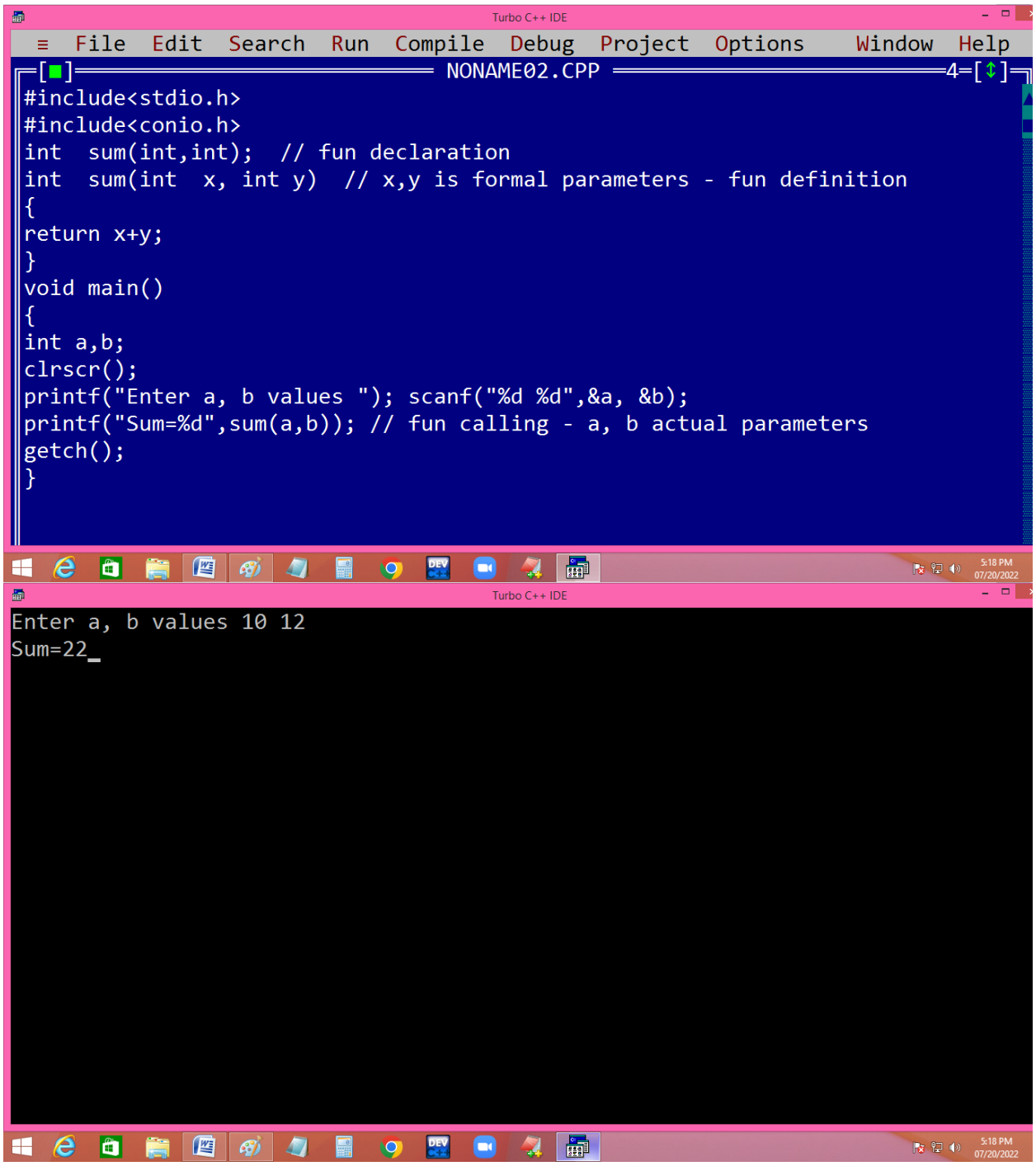
NONAME02.CPP
#include<stdio.h>
#include<conio.h>
int evenodd(int); // fun declaration
int evenodd(int f) // f is formal parameter - fun definition
{
return f%2;
}
void main()
{
int a;
clrscr();
printf("Enter a no "); scanf("%d",&a);
int x = evenodd(a); // a is actual parameter - fun calling
if(x==0)puts("Even"); else puts("Odd");
if(evenodd(a)==0)puts("Even"); else puts("Odd");
puts(evenodd(a)?"Odd":"Even");
getch();
}
5:15 PM
07/20/2022


Turbo C++ IDE
Even
Even
Even
5:08 PM
07/20/2022

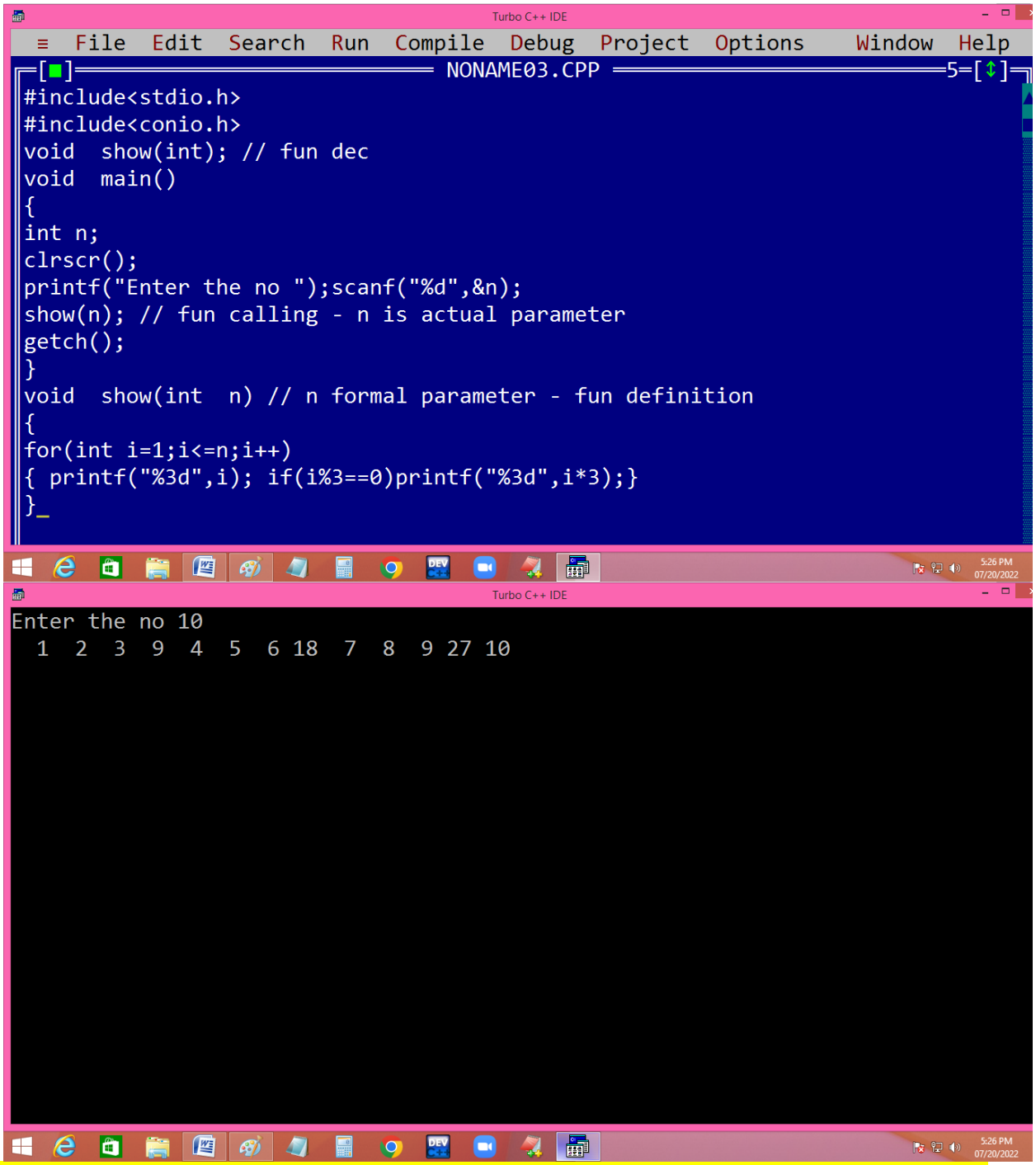

Turbo C++ IDE
Enter a no 3
Odd
Odd
Odd
5:08 PM
07/20/2022
int evenodd(int); // fun declaration
int evenodd(int f) // f is formal parameter - fun definition
{ 3%2=1
4%2=0
return f%2;
}
void main()
{
int a;
clrscr();
printf("Enter a no "); scanf("%d",&a);
int x = evenodd(a); // a is actual parameter - fun calling
if(x==0)puts("Even"); else puts("Odd");
if(evenodd(a)==0)puts("Even"); else puts("Odd");
puts(evenodd(a)?"Odd":"Even");
getch();



Fun with arguments, without return value.

Printing below series usinga user defined function.

Ex: n =10 ➔ 1 2 3 9 4 5 6 18 7 8 9 27 10



print below output using a user defined function.

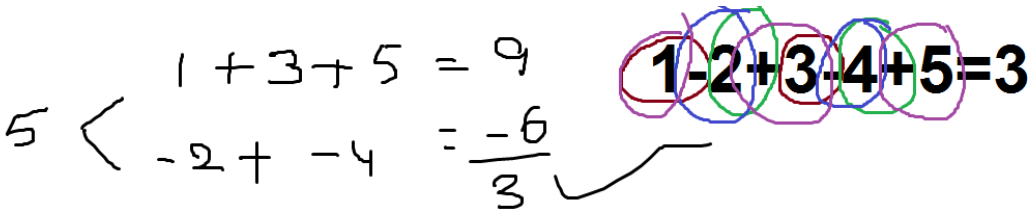
n=5 ➔ 1-2+3-4+5=3

Turbo C++ IDE

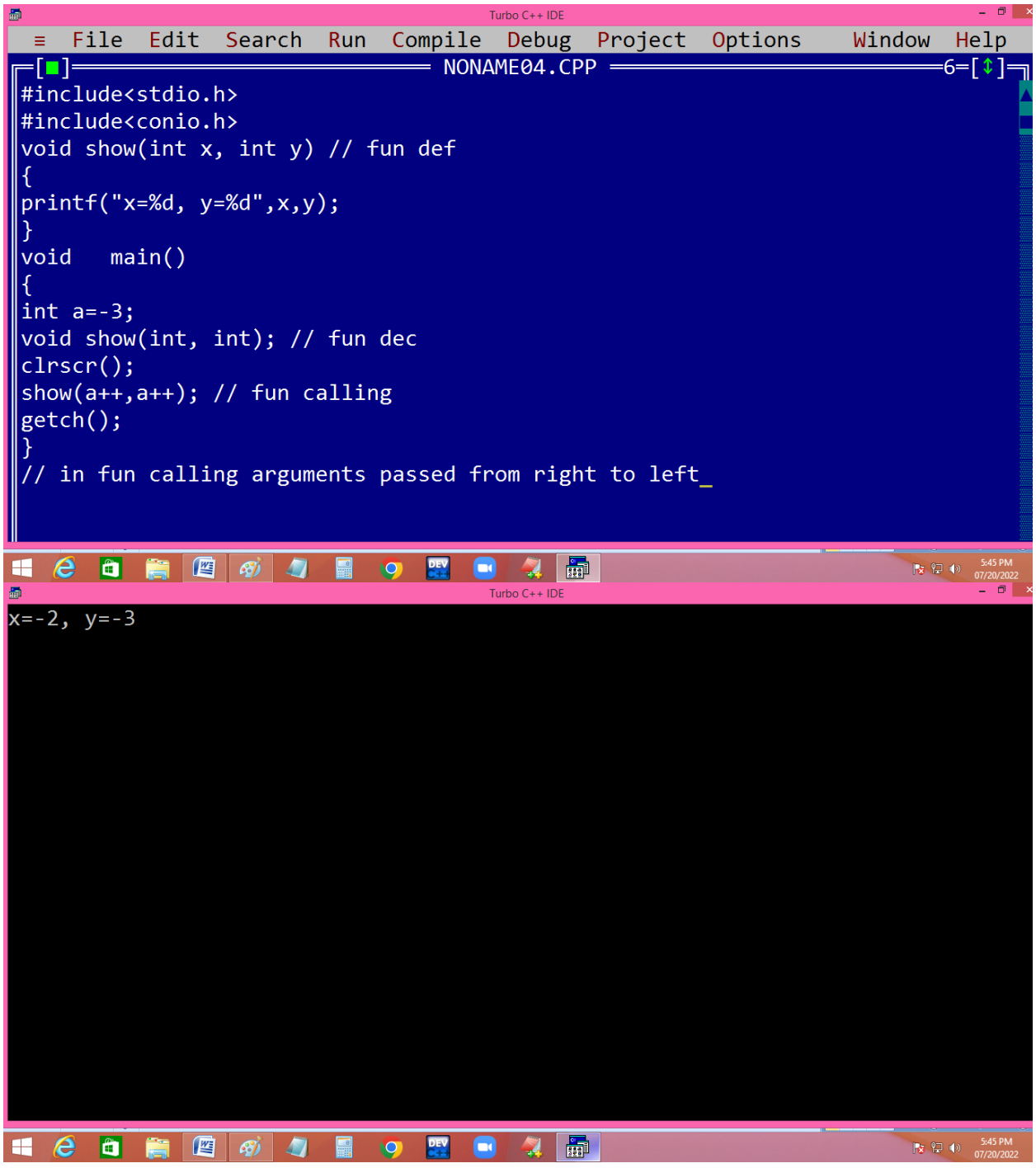
```
#include<stdio.h>
#include<conio.h>
void  show(int); // fun dec
void  main()
{
int n;
clrscr();
printf("Enter the no ");scanf("%d",&n);
show(n); // fun calling - n is actual parameter
getch();
}
void  show(int  n) // n formal parameter - fun definition
{
int s=0,i;
for(i=1;i<=n;i++)
{ if(i%2==0)printf("%d+",i,s-=i); else printf("%d-",i,s+=i);}
printf("\b=%d",s);
}
```

Turbo C++ IDE

```
Enter the no 5
1-2+3-4+5=3
```




```
s=0;
for(i=1;i<=5;i++)
{
if(i%2==0)p("%d+",i,s-=i);
else  p("%d-",i,s+=i;
} p("\b=%d",s);
```


Turbo C++ IDE
File Edit Search Run Compile Debug Project Options Window Help
NONAME04.CPP
#include<stdio.h>
#include<conio.h>
void show(int x, int y) // fun def
{
printf("x=%d, y=%d",x,y);
}
void main()
{
int a=-3;
void show(int, int); // fun dec
clrscr();
show(a++,a++); // fun calling
getch();
}
// in fun calling arguments passed from right to left
Turbo C++ IDE
x=-2, y=-3