

NewFile.cpp

```
1 #include <stdio.h>
2
3 //variable declaration:
4 extern int a,b;
5 extern int c;
6 extern float f;
7
8
9 int main ()
10 {
11     /*variable definition*/
12     int a,b;
13     int c;
14     float f;
15
16     /*actual initialization*/
17     a=10;
18     b=20;
19
20     c=a+b;
21     printf("Value of c:%d\n",c);
22
23     f=70.0/3.0;
24     printf("Value of f:%f\n",f);
25
26     return 0;
27 }
```

RolewFile.cpp

.cp C:\Users\TEMP.LAB3-017.019\Documents\Projects\NewFile.exe

Value of c:30

Value of f:23.33334

Process returned 0 execution time : 0.008 s  
Press any key to continue.

```
1
2     int func();
3
4     int main()
5     {
6         //function call
7         int i=func();
8     }
9
10    //function definition
11    int func()
12    {
13        return 0;
14    }
```

### Messages

File	Line	Notification
1 NewFile1.cpp		
1 NewFile1.cpp	7	unused variable 'i'

# Falcon C++ [Running]

Edit Search View Project Run Tools Help

C:\Users\TEMP.LAB3-017.019\Documents\Projects\NewFile1.exe

```
Process returned 0    execution time : 0.008 s
Press any key to continue.
```

## Messages

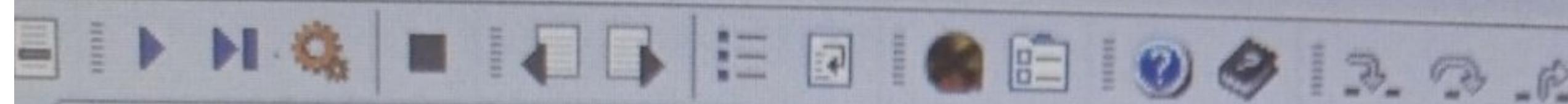
File

Line

Notification

- Info NewFile1.cpp
- Info NewFile1.cpp

help



NewFile.cpp

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("hello, world!\n");
6     return 0;
7 }
```

I

1:0

Compilation success in 0.0469 s

```
1 #include <stdio.h>
2
3 int main()
```

C:\Users\user\Documents\Projects\NewFile.exe

hello, world!

Process returned 0 execution time : 0.039 s  
Press any key to continue.



cpp

Ln: 6 Col: 14 Sel: 0

Compilation success in 0.0469 s

Type here to search

DELL

Run Tools Help

NewFile.cpp

```
1 #include <stdio.h>
2 #include <limits.h>
3 int main ()
4 {
5     printf("storage size for int :%d\n", sizeof(int));
6     return 0;
7 }
8
```

n C++ [Running]

File Search View Project Run Tools Help



Projects

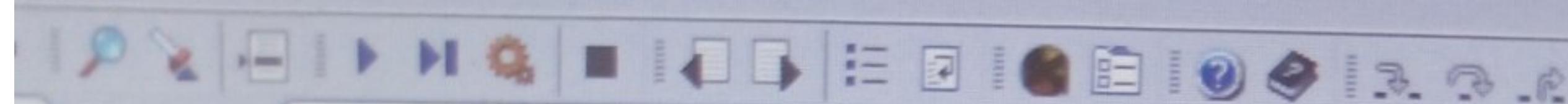
C:\Users\Student\Desktop-MBF20VQ\Documents\Projects\NewFile.exe

NewFile storage size for int :4

Process returned 0 execution time : 0.004 s  
Press any key to continue.



Run Tools Help



NewFile.cpp

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("hi, world!\n");
6     return 0;
7 }
```

[ ]

Col: 15 Sel: 0

Compilation success in 0.0516 s

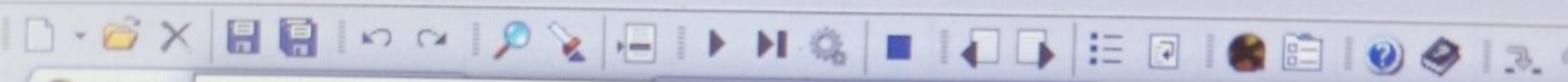
search



DELL

# Falcon C++ [Running]

File Edit Search View Project Run Tools Help



## Projects

C:\Users\user\Documents\Projects\NewFile.exe

NewFi hi, world!

```
Process returned 0 execution time : 0.032 s
Press any key to continue.
```



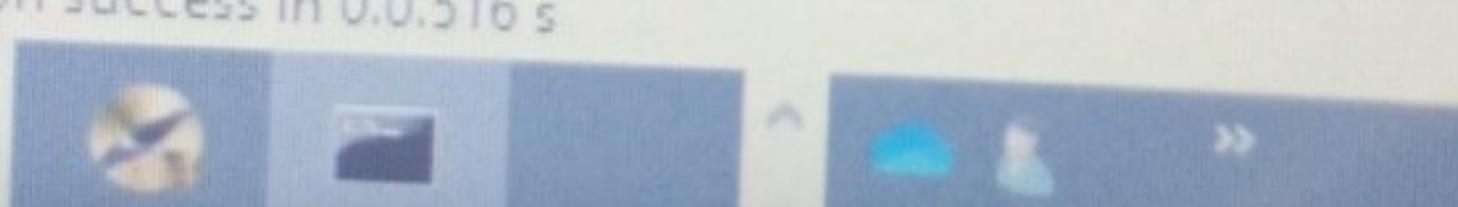
NewFile.cpp

Ln : 5 Col : 15 Sel : 0

Compilation success in 0.0.516 s

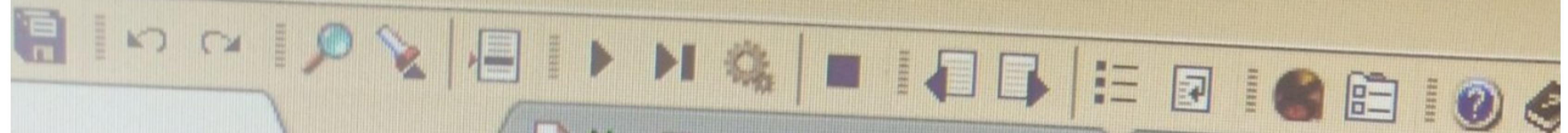


Type here to search



```
1 #include <stdio.h>
2
3 #define LENGTH 10
4 #define WIDTH 5
5 #define NEWLINE '\n'
6
7 int main()
8 {
9
10
11     int area;
12
13     area=LENGTH*WIDTH;
14
15     printf("Value of area:%d",area);
16     printf("%c",NEWLINE);
17
18     return 0;
19 }
```

New Project Run Tools Help



NewFile.cpp

NewFile1.cpp

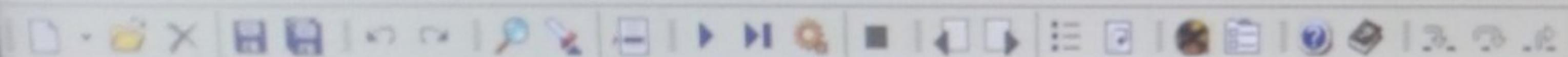
```
1 #include <stdio.h>
2
3 #define LENGTH 10
```

C:\Users\TEMP.LAB3-017.019\Documents\Projects\NewFile2.exe

Value of area:50



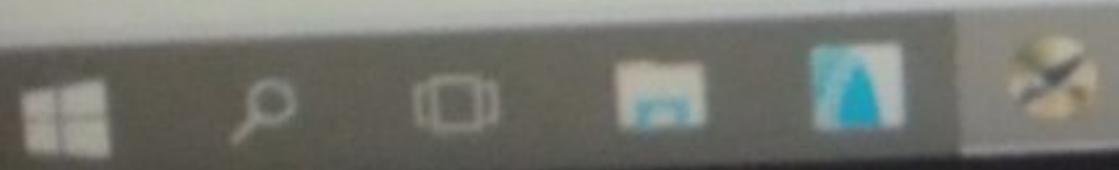
Process returned 0 execution time : 0.008 s  
Press any key to continue.



## Projects

Newfile.cpp

```
1 #include <stdio.h>
2 #include <float.h>
3 int main ()
4 {
5     printf("storage sizefor float :%d\n",sizeof(float));
6     printf("minimum float positive value:%E\n",FLT_MIN);
7     printf("maximum float positive value:%E\n",FLT_MAX);
8     printf("precious value:%d\n",FLT_DIG);
9     return 0;
10 }
11
```



Projects

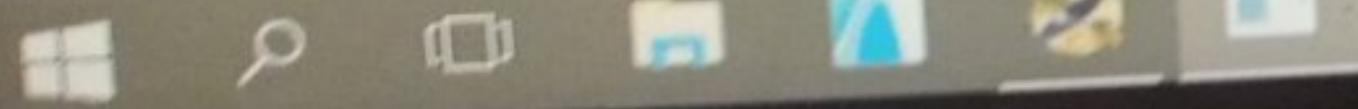
NewFile.cpp

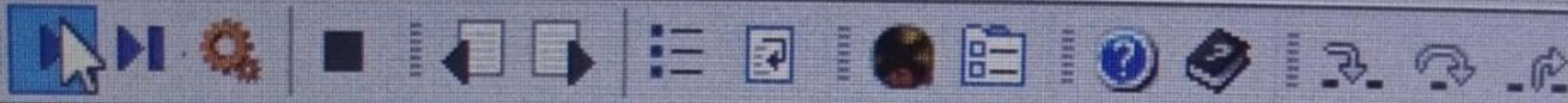
```
1 #include <stdio.h>
2 #include <float.h>
3 int main ()
```

C:\Users\Student.DESKTOP-MBF20VQ\Documents\Projects\NewFile.exe

```
storage sizefor float :4
minimum float positive value:1.175494E-038
maximum float positive value:3.402823E+038
precious value:6
```

```
Process returned 0 execution time : 0.004 s
Press any key to continue.
```





C++ \*NewFile.cpp

```
1 #include <stdio.h>
2
3 main()
4 {
5     int a = 21;
6     int b = 10;
7     int c ;
8
9     c = a + b;
10    printf("line 1 - value of c is %d\n", c);
11    c = a - b;
12    printf("line 2 - value of c is %d\n", c);
13    c = a * b;
14    printf("line 3 - value of c is %d\n", c);
15    c = a / b;
16    printf("line 4 - value of c is %d\n", c);
17    c = a % b;
18    printf("line 5 - value of c is %d\n", c);
19    c = a++;
20    printf("line 6 - value of c is %d\n", c);
21    c = a--;
22    printf("line 7 - value of c is %d\n", c); |
```

### Messages

File	Line	Notification
NewFile.cpp	3	ISO C++ forbids declaration of 'main' with no type

0

Compilation success in 0.0.421 s



# Falcon C++ [Running]

File

C:\Users\user\Documents\Projects\NewFile.exe

```
line 1 - value of c is 31
line 2 - value of c is 11
line 3 - value of c is 210
line 4 - value of c is 2
line 5 - value of c is 1
line 6 - value of c is 21
line 7 - value of c is 22
```

Process returned 0 execution time : 0.071 s  
Press any key to continue.

## Messages

File

! NewFile.cpp

Line

3

Notification

ISO C++ forbids declaration of 'main' with

c++ NewFile.cpp

Ln:22 Col:47 Sel:0



Type here...

Compilation success in 0.0 sec

elp

The screenshot shows a C/C++ development environment with the following details:

- Code Editor:** The main window displays the file `NewFile.cpp` containing the following C code:

```
1 #include <stdio.h>
2
3 main()
4 {
5     int a = 21;
6     int b = 10;
7     int c ;
8
9     if(a==b)
10    {
11        printf("line 1 - a is equal to b\n");
12    }
13    else
14    {
15        printf("line 1 - a is not equal to b\n");
16    }
17    if( a < b )
18    {
19        printf("line 2 - a is less than b\n");
20    }
21    else
22    {
23        printf("line 2 - a is not less than b\n");
24    }
25    if ( a > b )
26    {
27        printf("line 3 - a is greater than b\n");
28    }
}
```
- Messages:** A "Messages" panel at the bottom left lists compiler notifications:

File	Line	Notification
⚠ NewFile.cpp	3	ISO C++ forbids declaration of 'main' with no type
ℹ NewFile.cpp		
⚠ NewFile.cpp	7	unused variable 'c'
- Build Status:** At the bottom center, it says "Compilation success in 0.0406 s".

ols Help

The screenshot shows a C++ development environment with the following details:

- Toolbar:** Standard icons for file operations (New, Open, Save, Print, Find, Copy, Paste, Cut, Undo, Redo), build (Build, Clean, Rebuild, Run), and other tools.
- File:** A tab bar with "NewFile.cpp" selected.
- Code Editor:** Displays the following C++ code:

```
18     {
19         printf("line 2 - a is less than b\n");
20     }
21 else
22 {
23     printf("line 2 - a is not less than b\n");
24 }
25 if ( a > b )
26 {
27     printf("line 3 - a is greater than b\n");
28 }
29 else
30 {
31     printf("line 3 - a is not greater than b\n");
32 }
33 a = 5;
34 b = 20;
35 if( a <= b)
36 {
37     printf("line 4 - a is either less than or equal to b\n");
38 }
39 if( b >= a)
40 {
41     printf("line 5 - b is either greater than or equal to a\n");
42 }
43 }
```
- Messages:** A table showing compilation errors and warnings.

File	Line	Notification
NewFile.cpp	3	ISO C++ forbids declaration of 'main' with no type
NewFile.cpp	7	unused variable 'c'
- Build Status:** Shows "Sel : 0" and "Compilation success in 0.0406 s".

[Running]

Search View Project Run Tools Help

NewFile.cpp

NewFile.cpp

1 #include <stdio.h>

2

C:\Users\user\Documents\Projects\NewFile.exe

line 1 - a is not equal to b  
line 2 - a is not less than b  
line 3 - a is greater than b  
line 4 - a is either less than or equal to b  
line 5 - b is either greater than or equal to b

Process returned 0 execution time : 0.036 s  
Press any key to continue.

NewFile.cpp

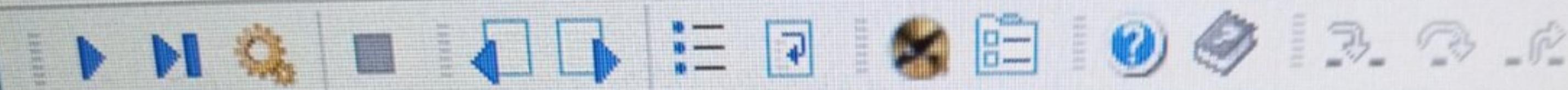
NewFile.cpp 7 unused variable 'c'

Ln : 43 Col : 2 Sel : 0

Type here to search

Compilation success in 0.0406 s

## Help



NewFile.cpp

NewFile1.cpp

X

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a=10;
6     if( a < 20 )
7     {
8         printf(" a is less than 20/n");
9     }
10    printf("value of a is : %d/n", a);
11    return 0;
12
13 }
```

++ [Running]

Search View Project Run Tools Help



ts C:\Users\Lenovo\Documents\Projects\NewFile1.exe

wFil a is less than 20/nvalue of a is : 10/n

ewFi Process returned 0 execution time : 0.192 s

Press any key to continue.

Run Tools Help

The screenshot shows a Windows operating system interface. At the top, there is a menu bar with 'Run', 'Tools', and 'Help'. Below the menu is a toolbar with various icons. The main window is a code editor titled 'NewFile.cpp' which contains the following C++ code:

```
1 #include <stdio.h>
2 int main ()
3 {
4     int a=10;
5     if(a<20)
6     {
7         printf("is less than 20\n");
8     }
9     printf("value of a is :%d\n",a);
10    return 0;
11 }
```

The code editor has tabs for 'NewFile.cpp' and 'NewFile1.cpp'. In the bottom left corner of the code editor, it says 'I:2 Sel:0'. In the bottom right corner, there is a message 'Compilation success in 0.0625 s'. The taskbar at the bottom of the screen displays several pinned application icons, including File Explorer, File History, Google Chrome, Control Panel, Mail, File Explorer again, Microsoft Edge, File Explorer again, Microsoft Word, Microsoft Excel, and Microsoft Powerpoint.

Falcon C++ [Running]

File

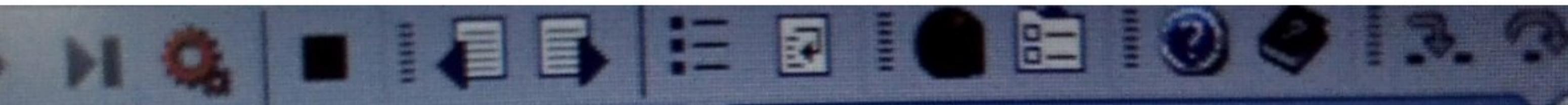
C:\Users\Lenovo\Documents\Projects\NewFile1.exe

is less than 20

value of a is :10

Process returned 0 execution time : 0.061 s

Press any key to continue.



NewFile.cpp

NewFile1.cpp

```
1 #include <stdio.h>
2 int main(int argc, char** argv)
3 {
4     int a=10;
5     while (a<20)
6     {
7         printf("value of a:%d\n",a);
8         a++;
9     }
10    return 0;
11 }
```

NewFile1.cpp

NewFile1.cpp

```
1 #include <stdio.h>
2 int main(int argc, char** argv)
3 {
```

C:\Users\Lenovo\Documents\Projects\NewFile2.exe

```
value of a:10
value of a:11
value of a:12
value of a:13
value of a:14
value of a:15
value of a:16
value of a:17
value of a:18
value of a:19
```

```
Process returned 0 execution time : 0.034 s
Press any key to continue.
```

Ln:4 Col:2 Sel:0

Compilation success in 0.0422 s

here to search



```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a = 100;
6     int b = 200;
7
8     printf("Before swap, value of a : %d\n", a);
9     printf("Before swap, value of b : %d\n", b);
10
11    printf("After swap, value of a : %d\n", a);
12    printf("After swap, value of b : %d\n", b);
13    return 0;
14 }
```

Compilation success in 0.0406 s

Falcon C++ [Running]

File

C:\Users\user\Documents\Projects\NewFile.exe

```
Before swap, value of a : 100
Before swap, value of b : 200
After swap, value of a : 100
After swap, value of b : 200
```

Process returned 0 execution time : 0.079 s  
Press any key to continue.

C++ NewFile.cpp

Ln:9 Col:49 Sel:0

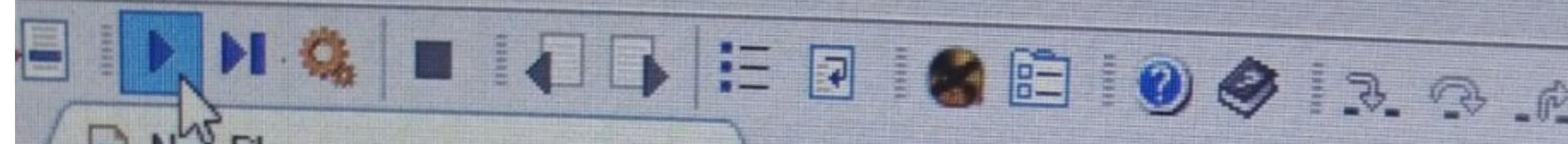


Type here to search

Compilation success in 0.0469 s



Help



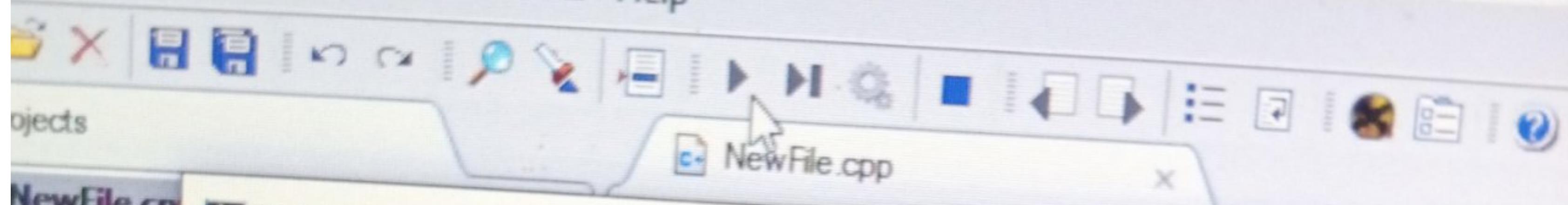
NewFile.cpp

```
1 #include <stdio.h>
2
3 int main()
4 {
5
6     int a, b;
7     int c;
8
9     a = 10;
10    b = 20;
11    c = a + b;
12    printf("value of a = %d, b = %d and c = %d\n", a, b, c);
13    return 0;
14
15 }
```

Compilation success in 0.0.422 s

in C++ [Running]

File Search View Project Run Tools Help



NewFile.cpp

C:\Users\user\Documents\Projects\NewFile.exe

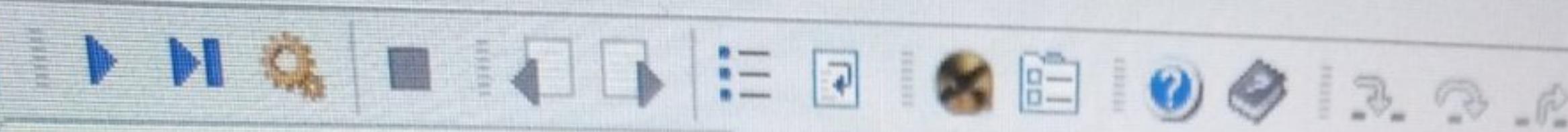
value of a = 10, b = 20 and c = 30

Process returned 0 execution time : 0.039 s  
Press any key to continue.

file.cpp

Ln: 14 Col: 1

## Help



C++ NewFile.cpp

```
1 #include <stdio.h>
2 int main()
3 {
4     int n[10];
5     int i,j;
6
7     for (i=0; i<10; i++)
8     {
9
10        n[i]=i+100;
11    }
12    for(j=0; j<10; j++)
13    {
14        printf("element[%d]=%d\n", j, n[j]);
15    }
16    return 0;
17 }
```

C:\Users\lenovo\Documents\Projects\NewFile.exe

```
element[0]=100
element[1]=101
element[2]=102
element[3]=103
element[4]=104
element[5]=105
element[6]=106
element[7]=107
element[8]=108
element[9]=109
```

```
Process returned 0 execution time : 0.026 s
Press any key to continue.
```

c:\ NewFile.cpp

Ln:7 Col:24 Sel:0

Compilation success in 0.028 s



Type here to search

s Help

NewFile 13.cpp

```
1 #include <stdio.h>
2
3 int a = 20;
4
5 int main ()
6 {
7     int a =10;
8     int b =20;
9     int c =0;
10    printf("value of a in main()= %d\n", a);
11    c = ( a, b);
12    printf("value of c in main() = %d\n", c);
13    return 0;
14 }
15 int sum(int a, int b)
16 {
17     printf("value of a in sum () = %d\n", a);
18     printf("value of b in sum () = %d\n", b);
19
20     return a + b;
21 }
```

Messages

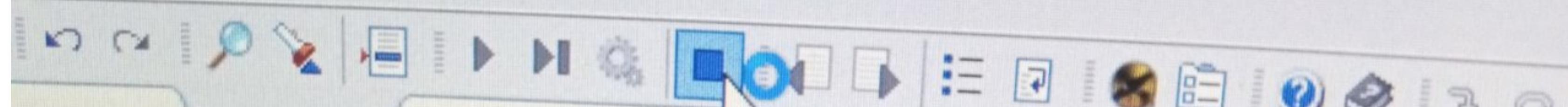
File	Line	Notification
● NewFile 13.cpp		
⚠ NewFile 13.cpp	11	left-hand operand of comma has no effect

Ln:10 Col:45 Sel:0

here to search

Compilation success in 0.0515 s

Project Run Tools Help



NewFile 13.cpp

```
1 #include <stdio.h>
2
3 int a = 20;
```

C:\Users\user\Documents\NewFile 13.exe

value of a in main()= 10  
value of c in main() = 20

Process returned 0 execution time : 0.034 s  
Press any key to continue.

P Ln:10 Col:45 Sel:0

Compilation success in 0.0515 s

Type here to search