

Code Output Screen Shots

- Substraction

The screenshot displays the Code::Blocks IDE with the file `calculator.cpp` open. The code implements a calculator with a modulus function and a scientific calculator class. The output window shows the program's execution, where the user selects 'Standard Calculator' and enters '1' and '2', resulting in '1'.

```
calculator.cpp - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

53 return(a/(*b));
54 }
55
56 /*Modulus function will divide the first number by the s
57 it into an integer.*/
58 double stand_calc::modulu(double *a , double *b)
59 {
60     while(*b == 0)
61     {
62         cout << "\nCannot divide by zero.";
63         cout << "\nEnter second number again:";
64         cin >> *b;
65     }
66     //Converting double into an integer .
67     int x = (int)*a ;
68     int y = (int)*b ;
69     if(*a-x>0 || *b-y>0)
70     cout << "\nConverting decimal number into an integer
71     *a = x ;
72     *b = y ;
73     return(x%y);
74 }
75
76 // Declaration of scientific cal class functions starts from here.
77 double scien_calc::square(double x)
78 {
```

```
C:\Users\user\C++\calculator.exe
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
```

Logs & others

File	Line	Message
C:\Users\us...		=== Build file: "no target" in "no project" (compiler: unknown) ===
C:\Users\us...	129	In function 'int main()': warning: unknown escape sequence: '\040'

- Addition

calculator.cpp - Code::Blocks 20.03

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Start here calculator.cpp

```
53     return(a/(*b));
54 }
55
56 /*Modulus function will divide the first number by the second
57 it into an integer.*/
58 double stand_calc::modulu(double *a , double *b)
59 {
60     while(*b == 0)
61     {
62         cout << "\nCannot divide by zero.";
63         cout << "\nEnter second number again:";
64         cin >> *b;
65     }
66     //Converting double into an integer .
67     int x = (int)*a ;
68     int y = (int)*b ;
69     if(*a-x>0 || *b-y>0)
70         cout << "\nConverting decimal number into an integer to
71         *a = x ;
72         *b = y ;
73         return(x/y);
74 }
75
76 // Declaration of scientific cal class functions starts from here.
77 double scien_calc::square(double x)
78 {
```

Management x

Projects Files FSy

Workspace

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran info

File Line Message

```
==== Build file: "no target" in "no project" (compiler: unknown) ====
In function 'int main()':
C:\Users\us... 129 warning: unknown escape sequence: '\040'
==== Build finished: 0 error(s), 1 warning(s) (0 minute(s), 2 second(s)) ====
```

C:\Users\user\C++\calculator.exe

```
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
```

- Multiplication

calculator.cpp - Code::Blocks 20.03

Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

calculator.cpp

```
53     return(a/(*b));
54 }
55
56 /*Modulus function will divide the first number by the second number
57 it into an integer.*/
58 double stand_calc::modulu(double *a , double *b)
59 {
60     while(*b == 0)
61     {
62         cout << "\nCannot divide by zero.";
63         cout << "\nEnter second number again:";
64         cin >> *b;
65     }
66     //Converting double into an integer .
67     int x = (int)*a ;
68     int y = (int)*b ;
69     if(*a-x>0 || *b-y>0)
70         cout << "\nConverting decimal number into an integer to perform m
71         *a = x ;
72         *b = y ;
73         return(x*y);
74     }
75
76 // Declaration of scientific cal class functions starts from here.
77 double scien_calc::square(double x)
78 {
```

C:\Users\user\C++\calculator.exe

```
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:Multiplication

Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....
=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
```

Logs & others

File	Line	Message
C:\Users\us...		=== Build file: "no target" in "no project" (compiler: unknown) ===
C:\Users\us...		In function 'int main()':
C:\Users\us...	129	warning: unknown escape sequence: '\040'
		=== Build finished: 0 error(s), 1 warning(s) (0 minute(s), 2 second(s)) ===

- Division

lator.cpp - Code::Blocks 20.03

File View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Calculator.cpp

```

53     return(a/(*b));
54 }
55
56 /*Modulus function will divide the first number by the second
57    it into an integer.*/
58 double stand_calc::modulu(double *a , double *b)
59 {
60     while(*b == 0)
61     {
62         cout << "\nCannot divide by zero.";
63         cout << "\nEnter second number again:";
64         cin >> *b;
65     }
66     //Converting double into an integer .
67     int x = (int)*a ;
68     int y = (int)*b ;
69     if(*a-x>0 || *b-y>0)
70         cout << "\nConverting decimal number into an integer";
71     *a = x ;
72     *b = y ;
73     return(x/y);
74 }
75
76 // Declaration of scientific cal class functions starts from here.
77 double scien_calc::square(double x)
78 {

```

Calculator.exe

```

Invalid choice.
Press any key to continue.....

=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....

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2 Scientific Calculator
3 Quit
Choose the type of Calculator:
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3 Quit
Choose the type of Calculator:
Invalid choice.
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2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....

```

Logs & others

File	Line	Message
C:\Users\us...		=== Build file: "no target" in "no project" (compiler: unknown) ===
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- Modules

ulator.cpp - Code::Blocks 20.03

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calculator.cpp

```
1 #include<iostream>
2 #include<math.h>
3 #include<stdlib.h>
4
5 using namespace std;
6
7 #define new_cal 1
8 #define old_cal 0
9
10 //scientific cal to define standard calculator functions
11 class stand_calc
12 {
13 public:
14     static double addition(double , double);
15     static double subtract(double , double);
16     static double multiplication(double , double);
17     static double division(double , double *);
18     static double modulu(double * , double *);
19 };
20
21 //scientific cal to define scientific calculator functions
22 class scien_calc
23 {
24 public:
25     static double square(double);
26     static double cube(double);
```

C:\Users\user\C++\calculator.exe

Choose the type of Calculator:
Invalid choice.
Press any key to continue.....

=====Type of Calculators===== n1 Standard Calculator
2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....

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Choose the type of Calculator:
Invalid choice.
Press any key to continue.....

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2 Scientific Calculator
3 Quit
Choose the type of Calculator:
Invalid choice.
Press any key to continue.....

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Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger DoxyBlocks Fortran info Close

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