

main.c [02] - Code::Blocks 25.03

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<global> main() : int

Management Projects Symbols Workspace 01 Sources main.c 02 Sources main.c

main.c main.c

```
4 int main()
5 {
6     //ข้อ1
7     int integerVar = 100;
8     float floatingVar = 331.79;
9     double doubleVar = 8.44e+11;
10    char charVar = 'S';
11    _Bool boolVar = 0;
12
13    printf ("integerVar = %i\n", integerVar);
14    printf ("floatingVar = %f\n", floatingVar);
15    printf ("doubleVar = %e\n", doubleVar);
16    printf ("doubleVar = %g\n", doubleVar);
17    printf ("charVar = %c\n", charVar);
18    printf ("boolVar = %i\n", boolVar);
19
20    //ข้อ2
21
22
23
24
```

D:\MU\EGCO111\02\bin\Debug\02.exe

integerVar = 100
floatingVar = 331.790009
doubleVar = 8.440000e+11
doubleVar = 8.44e+11
charVar = S
boolVar = 0

Process returned 0 (0x0) execution time : 0.781 s
Press any key to continue.

Logs & others

Code::Blocks Search results Ccc C Build log Build messages CppCheck/Vera++

Checking for existence: D:\MU\EGCO111\02\bin\Debug\02.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Windows\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA Toolkit;C:\Users\acer\AppData\Local\Microsoft\WindowsApps
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "D:\MU\EGCO111\02\bin\Debug\02.exe" (in D:\MU\EGCO111\02)

D:\MU\EGCO111\02\main.c

C/C++ Windows (CR+LF) WINDOWS-874 Line 20, Col 1, Pos 508 Insert Read/Write default



Search



15:55

19/1/2569

main.c [02] - Code::Blocks 25.03

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<global> main() : int

Management x

Projects Symbols

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Search:

Symbols

- Global functions
- Global typedefs
- Global variables
- Macro definitions
- Macro usages

main.c x main.c x

```
16     printf ("doubleVar = %e\n", doubleVar);
17     printf ("doubleVar = %g\n", doubleVar);
18     printf ("charVar = %c\n", charVar);
19     printf ("boolVar = %i\n", boolVar);*/
20
21
22 //ปunto6
23
24 float x = 2.55, sum;
25
26 sum = 3*pow(x,3) - 5*pow(x,2) + 6;
27 printf ("sum = %f\n", sum);
28
29 //ปunto8-9
30 /* int i=365,j=7,Next_multiple;
31
32 Next_multiple = i + j - i % j;
```

D:\MU\EGCO111\02\bin\Debug x +

sum = 23.231623

Process returned 0 (0x0) execution time : 1.416 s

Press any key to continue.

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x CppCheck/Vera++ x Cpp

Checking for existence: D:\MU\EGCO111\02\bin\Debug\02.exe

Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR;C:\Program Files\dotnet;C:\Program Files (x86)\Windows Kits\10\Windows Performance Toolkit;C:\Users\acer\AppData\Local\Microsoft\WindowsApps

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "D:\MU\EGCO111\02\bin\Debug\02.exe" (in D:\MU\EGCO111\02\.)

D:\MU\EGCO111\02\main.c C/C++ Windows (CR+LF) WINDOWS-874 Line 12, Col 26, Pos 255 Insert Read/Write default

main.c [02] - Code::Blocks 25.03

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<global> main() : int

Management x

Projects Symbols

View: Current file's sy

Search:

S C

main.c x main.c x

```
24     float x = 2.55, sum;
25
26     sum = 3*pow(x,3) - 5*pow(x,2) + 6;
27     printf ("sum = %f\n", sum);/*
28
29
30 //ปุ่ม 8-9
31 int i=365, j=7, Next_multiple;
32
33 Next_multiple = i + j - i % j;
34 printf ("i = 365\nj = 7\n");
35 printf ("Next multiple = %i\n", Next_multiple);
36
37
38 return 0;
39 }
40 }
```

D:\MU\EGCO111\02\bin\Debug x +

```
i = 365
j = 7
Next multiple = 371

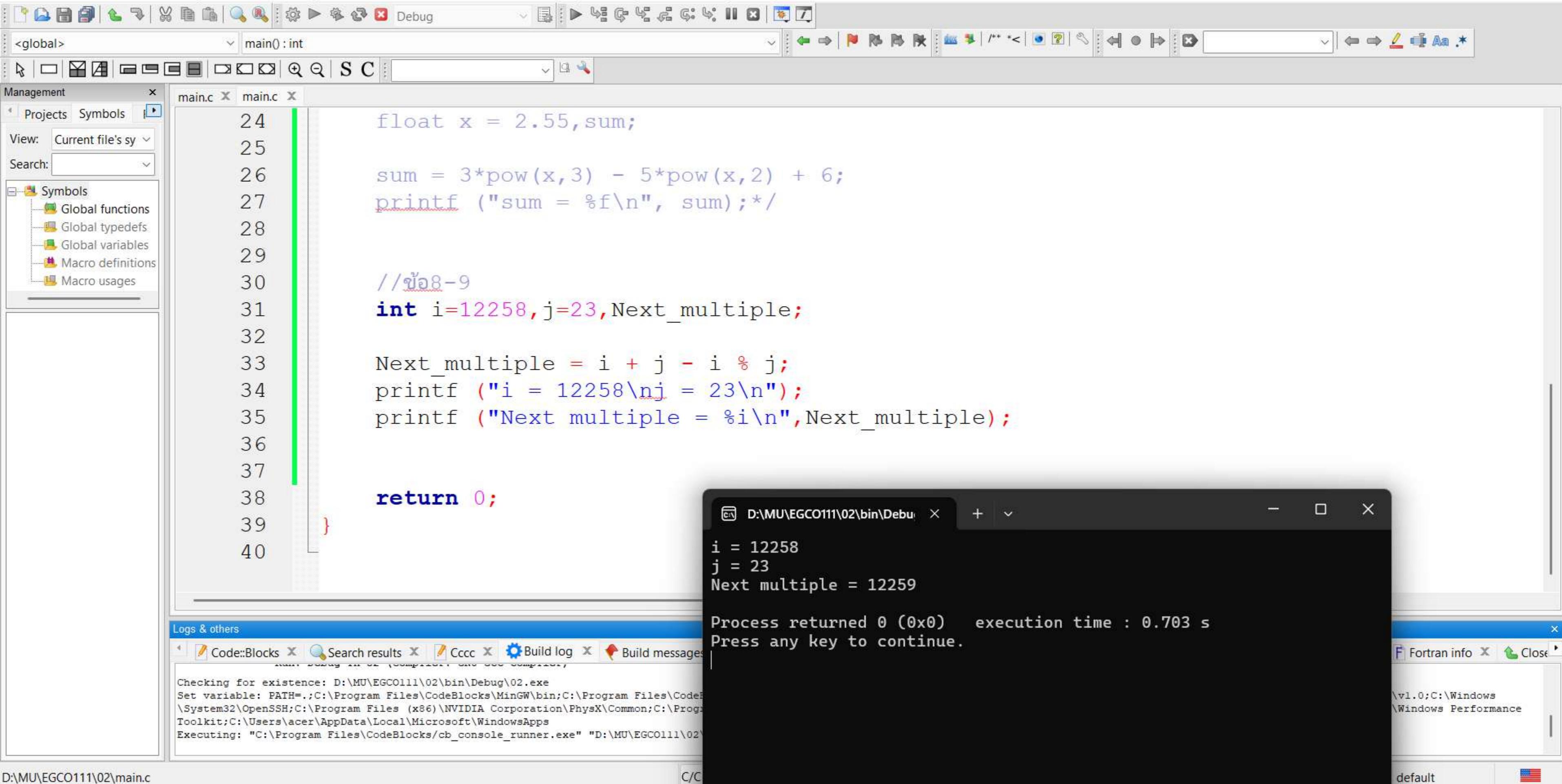
Process returned 0 (0x0) execution time : 0.642 s
Press any key to continue.
```

Logs & others

Code::Blocks x Search results x Ccc x Build log

Checking for existence: D:\MU\EGCO111\02\bin\Debug\02.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Toolkit;C:\Users\acer\AppData\Local\Microsoft\WindowsApps
Executing: "C:\Program Files\CodeBlocks/cb_console_runner.exe"

D:\MU\EGCO111\02\main.c



main.c [02] - Code::Blocks 25.03

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<global> main() : int

Management x

Projects Symbols

View: Current file's sy

Search:

S C

main.c x main.c x

```
24     float x = 2.55, sum;
25
26     sum = 3*pow(x,3) - 5*pow(x,2) + 6;
27     printf ("sum = %f\n", sum);/*
28
29
30 //ปุ่ม 8-9
31 int i=996, j=4, Next_multiple;
32
33 Next_multiple = i + j - i % j;
34 printf ("i = 996\nj = 4\n");
35 printf ("Next multiple = %i\n", Next_multiple);
36
37
38 return 0;
39 }
40 }
```

D:\MU\EGCO111\02\bin\Debug x

```
i = 996
j = 4
Next multiple = 1000

Process returned 0 (0x0) execution time : 0.723 s
Press any key to continue.
```

Logs & others

Code::Blocks x Search results x Ccc x Build log x Build messages x

Checking for existence: D:\MU\EGCO111\02\bin\Debug\02.exe
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\System32\OpenSSH;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\Program Toolkit;C:\Users\acer\AppData\Local\Microsoft\WindowsApps
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "D:\MU\EGCO111\02\bin\Debug\02.exe"

D:\MU\EGCO111\02\main.c

C/C++ Windows (CR+LF) WINDOWS-874 Line 34, Col 28, Pos 776 Insert Read/Write default

- Type in and run the five programs presented in this chapter. Compare the output produced by each program with the output presented after each program in the text.
- Which of the following are invalid variable names? Why?

[Click here to view code image](#)

	ເລື່ອງຕັ້ງປະກາດ	ເນື່ອດ້ວຍອັກສອນ/_ ກ່ອນ
Int	char	6_05
Callloc	Xx	alpha_beta_routine
floating	_1312	z
ReInitialize	—	A\$

ຊັບຕົວກະຕິເຄີຍ

- Which of the following are invalid constants? Why?

[Click here to view code image](#)

	ເລື່ອງຕັ້ງປະກາດ	ເນື່ອດ້ວຍອັກສອນ
123.456	0x10.5	0X0G1
0001	0xFFFF	123L
0xab05	0L	-597.25
123.5e2	.0001	+12
98.6F	98.7U	17777s
0996	-12E-12	07777
1234uL	1.2Fe-7	15,000
1.234L	197u	100U
0xABCDL	0xabcu	+123

ຊັບຕົວກະຕິເຄີຍ

- Write a program that converts 27® from degrees Fahrenheit (F) to degrees Celsius (C) using the following formula:

$$C = (F - 32) / 1.8$$

- What output would you expect from the following program?

```
#include <stdio.h>

int main (void)
{
    char c, d;

    c = 'd';
    d = c;
    printf ("d = %c\n", d);

    return 0;
}
```

- Write a program to evaluate the polynomial shown here:

$$3x^3 - 5x^2 + 6$$

for $x = 2.55$.