

```
Start here x Untitled3.c x
1 #include <stdio.h>
2 int main (void)
3 {
4     int a = 25, b = 5, c = 10, d = 7;
5     printf ("a = %i, b = %i, c = %i, and d = %i\n", a, b, c, d);
6     printf ("a %% b = %i\n", a % b);
7     printf ("a %% b = %i\n", a % c);
8     printf ("a %% b = %i\n", a % d);
9     printf ("a / d * d + a %% d = %i\n", a / d * d + a % d);
10
11     return 0;
12
13
14
15
16

```

Logs & others

Code:Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Ver

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 2 second(s)) ===

```
D:\6813134\Untitled3.exe
a = 25, b = 5, c = 10, and d = 7
a % b = 0
a % b = 5
a % b = 4
a / d * d + a % d = 25

Process returned 0 (0x0)   execution time : 0.012 s
Press any key to continue.
```

```
Start here x Untitled3.c x
1 #include <stdio.h>
2 int main (void)
3 {
4     int a = 95, b = 3, c = 75, d = 10;
5     printf ("a = %i, b = %i, c = %i, and d = %i\n", a, b, c, d);
6     printf ("a %% b = %i\n", a % b);
7     printf ("a %% b = %i\n", a % c);
8     printf ("a %% b = %i\n", a % d);
9     printf ("a / d * d + a %% d = %i\n", a / d * d + a % d);
10
11     return 0;
12
13
14
15
16

```

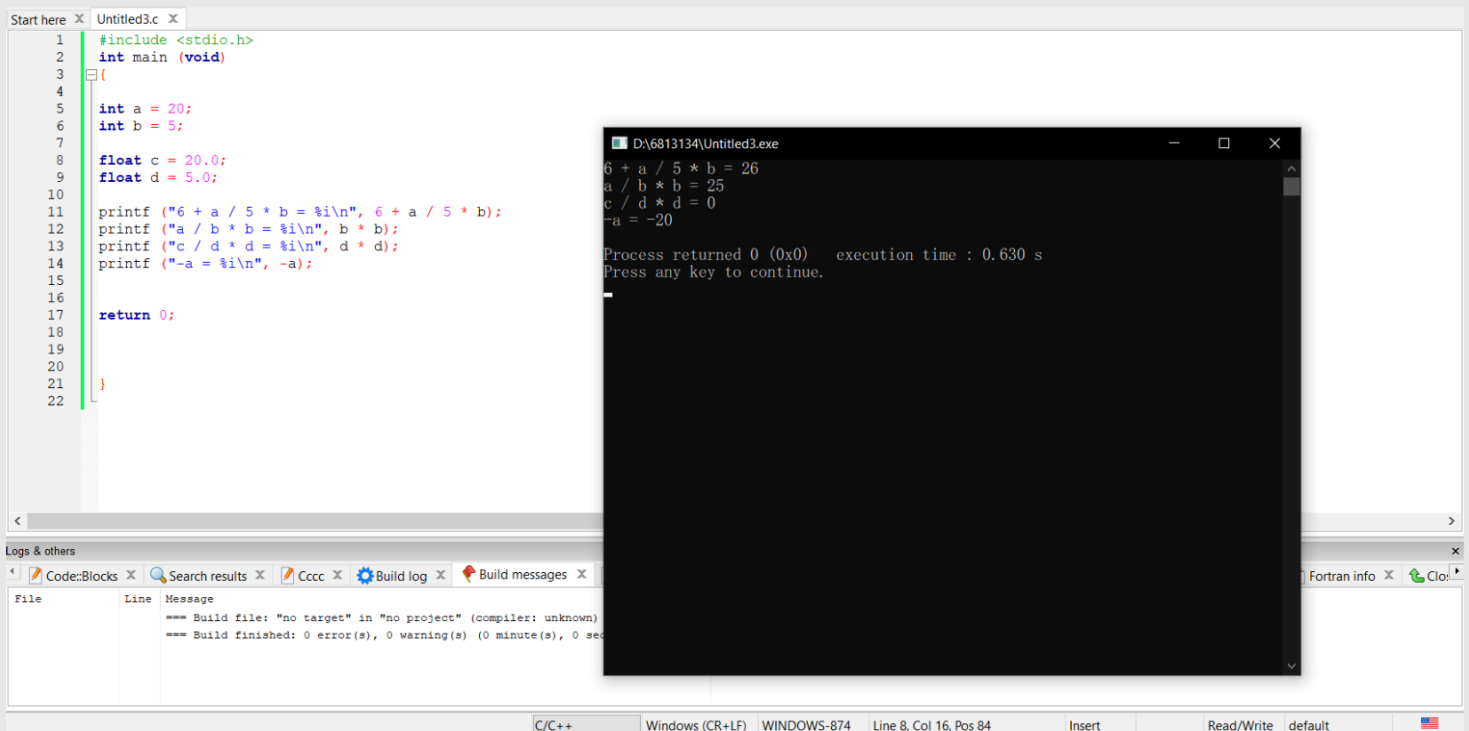
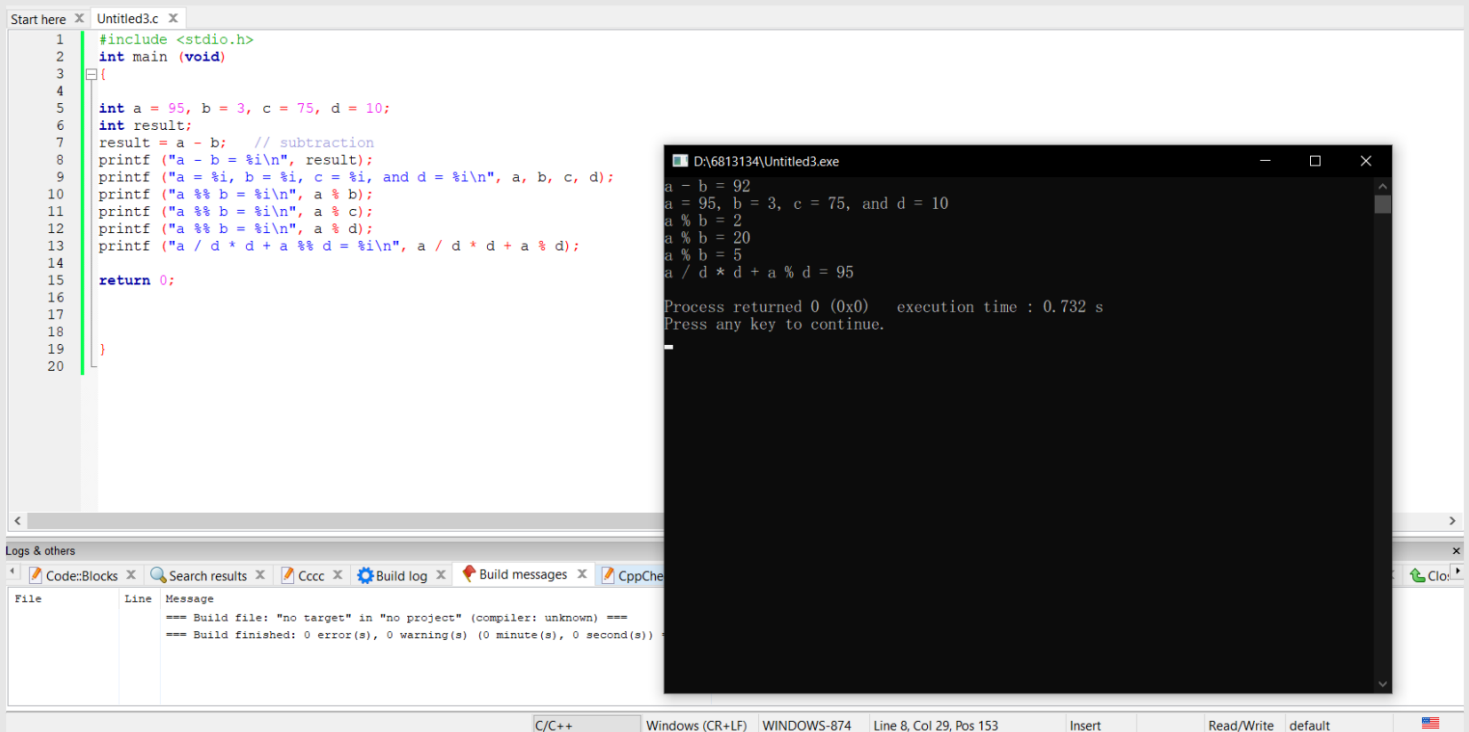
Logs & others

Code:Blocks x Search results x Cccc x Build log x Build messages x Cpp

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

```
D:\6813134\Untitled3.exe
a = 95, b = 3, c = 75, and d = 10
a % b = 2
a % b = 20
a % b = 5
a / d * d + a % d = 95

Process returned 0 (0x0)   execution time : 0.636 s
Press any key to continue.
```



```

1 #include <stdio.h>
2 int main (void)
3 {
4     float f1=123.125,f2;
5     int i1,i2=-150;
6     char c='a';
7     i1=f1;//float to integer conversion
8     printf ("%f assigned to an int produces %f\n",f1,i1);
9     f1=i2;//float to integer conversion
10    printf ("%f assigned to an int produces %f\n",i2,f1);
11    f1=i2/100;//integer divided by integer
12    printf ("%i divided by 100 produces %f\n",i2,f1);
13    f2=i2/100.0;//integer divided by float
14    printf ("%i divided by 100 produces %f\n",i2,f2);
15    f2=(float)i2/100;//type cast operator
16    printf("(float)%i divided by 100 produces %f\n",i2,f2);
17
18    return 0;
19
20
21
22
23

```

```

D:\6813134\Untitled3.exe
123.125000 assigned to an int produces 0.000000
0.000000 assigned to an int produces -150.000000
-150 divided by 100 produces -1.000000
-150 divided by 100 produces -1.500000
(float)-150 divided by 100 produces &f
Process returned 0 (0x0)   execution time : 0.575 s
Press any key to continue.

```

2. Which of the following are invalid variable names? Why?

[Click here to view code image](#)

- | | | |
|----------------|----------------------------------|---|
| ✓ Int | ✗ char <small>เป็นคำสงวน</small> | ✗ 6_05 <small>ต้องขึ้นต้นด้วยตัวอักษรเท่านั้น</small> |
| ✓ Calloc | ✓ Xx | ✓ alpha_beta_routine |
| ✓ floating | ✓ _1312 | ✓ z |
| ✓ ReInitialize | ✓ _ | ✗ A\$ <small>ห้ามมีตัวอักษรพิเศษ</small> |

3. Which of the following are invalid constants? Why?

[Click here to view code image](#)

- | | | |
|--------------------------------------|---|---|
| 123.456 | ✗ 0x10.5 <small>เลขฐาน 16 ต้องเป็นจำนวนเต็ม</small> | ✗ 0X0G1 <small>G ไม่ใช่เลขฐาน 16</small> |
| 0001 | 0xFFFF | 123L |
| 0Xab05 | 0L | ✗ -597.25 <small>→ (-) ไม่ใช่ส่วนหนึ่งของ literal</small> |
| 123.5e2 <small>96 ตัว</small> | .0001 | ✗ +12 <small>→ (+) ไม่ใช่ส่วนหนึ่งของ literal</small> |
| 98.6F <small>ตัวทศนิยม 1 ตัว</small> | ✗ 98.7U | ✗ 17777s <small>→ ตัว s ไม่อยู่ใน C</small> |
| ✗ 0996 <small>ตัวเลข 9</small> | -12E-12 | 07777 |
| 1234uL | 1.2Fe-7 | ✗ 15,000 <small>→ 96 เครื่องหมาย, ตัวทศนิยม</small> |
| 1.234L | 197u | 100U |
| 0XABCDEFLL | 0xabcu | +123 |

```
Start here X Untitled3.c X
1 #include <stdio.h>
2 int main (void)
3 {
4     double x=2.55;
5     double result;
6     result=(3*x*x*x)-(5*x*x)+6;
7     printf("for x=%.2f\n",x);
8     printf("the result of 3x^3-5x^2+6 is:%f\n",result);
9
10    return 0;
11
12
13
14
15
```

D:\6813134\Untitled3.exe

for x=2.55
the result of 3x^3-5x^2+6 is:23.231625

Process returned 0 (0x0) execution time : 0.028 s
Press any key to continue.

Logs & others

Code-Blocks X Search results X Cccc X Build log X Build messages X Cpp

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

C/C++ Windows (CR+LF) WINDOWS-874 Line 4, Col 19, Pos 58 Insert Read/Write default

```
Start here X Untitled3.c X
13 }
14 printf("Answer = %d\n", x);
15
16 // sum 2
17 i = 12258;
18 j = 23;
19 x = i + 1;
20 while (x % j != 0 || x % 2 != 0) {
21     x++;
22 }
23 printf("Answer = %d\n", x);
24
25 // sum 3
26 i = 996;
27 j = 4;
28 x = i + 1;
29 while (x % j != 0 || x % 2 != 0) {
30     x++;
31 }
32 printf("Answer = %d\n", x);
33
34 return 0;
35
36
37
38
39
```

D:\6813134\Untitled3.exe

Answer = 378
Answer = 12282
Answer = 1000

Process returned 0 (0x0) execution time : 0.563 s
Press any key to continue.

Logs & others

Code-Blocks X Search results X Cccc X Build log X Build messages X CppChe

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

C/C++ Windows (CR+LF) WINDOWS-874 Line 4, Col 19, Pos 58 Insert Read/Write default