

1.c - Code::Blocks 20.03

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<global> main(): int

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     printf("Take n number to start: ");
6     scanf("%d",&n);
7     for(int i=n;i>=1;i--)
8     {
9         printf("%d\n",i);
10    }
11 }
12
```

Start here x 1.c x

Take n number to start: 9
9
8
7
6
5
4
3
2
1

Process returned 0 (0x0) execution time : 4.043 s
Press any key to continue.

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 x Closed files list x Thread search x

F. L. Message

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324\1.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 9, Col 21, Pos 162 Insert Read/Write default

10:15 PM 11/21/2024

2.c - Code::Blocks 20.03

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<global>

main() : int

Start here 1.c 2.c

1#include<stdio.h>

2int main()

3{

4char ch;

5for(char ch='a'; ch<='z'; ch++)

6{

7printf("%c\n", ch);

8}

9}

10

G:\CODE\CP Lab\Practise\Be

a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
t
u
v
w
x
y
z

Process returned 0 (0x0) execution time : 0.029 s
Press any key to continue.

Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger DoxyBlocks Fortran info Closed files list Thread search

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

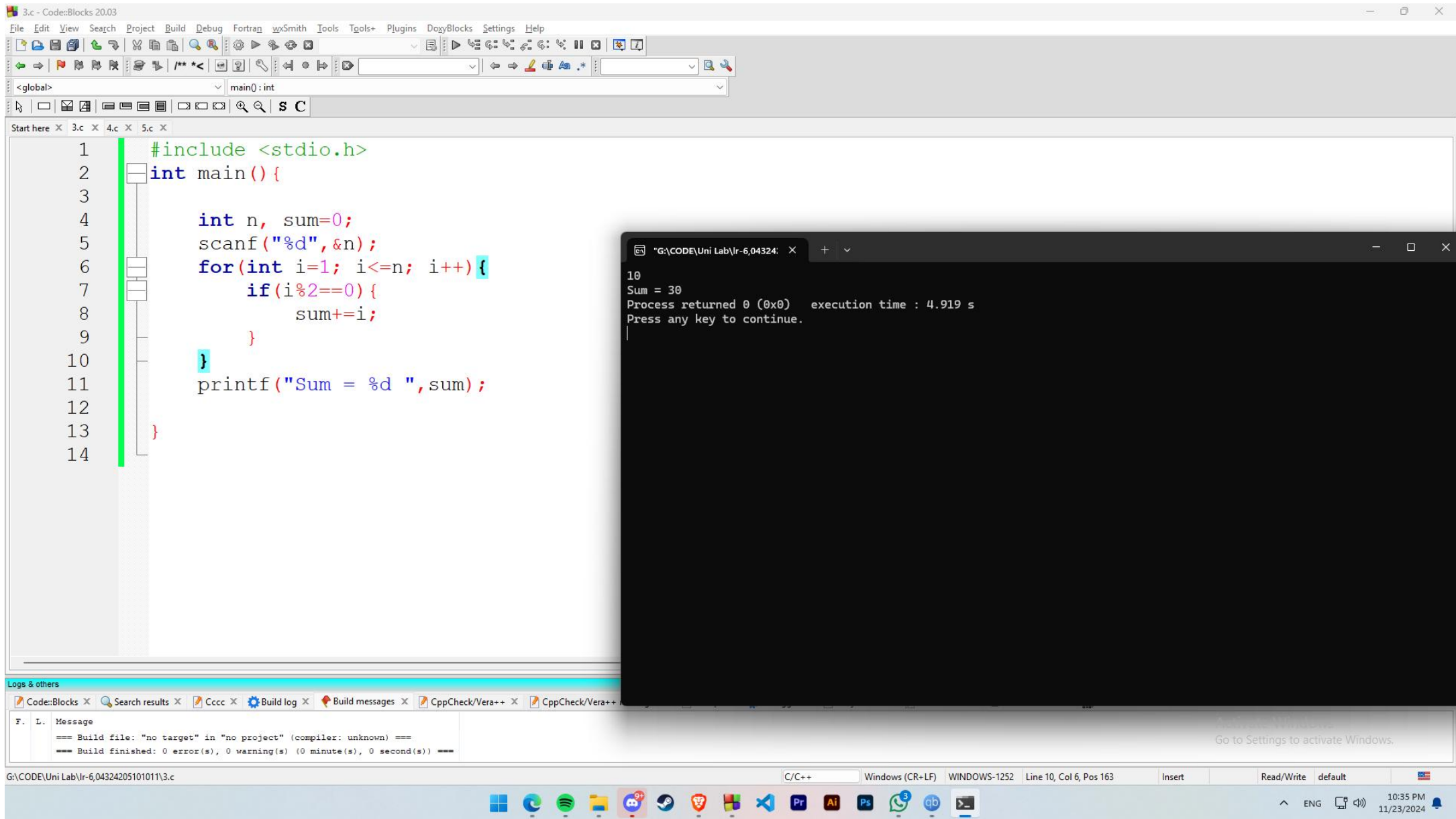
Activate Windows
Go to Settings to activate Windows.

G:\CODE\CP Lab\Practise\Beecrowd\2.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 5, Col 28, Pos 75 Insert Read/Write default

Windows Taskbar

10:19 PM 11/21/2024



4.c - Code::Blocks 20.03

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

<global> main(): int

```
1 #include <stdio.h>
2 int main(){
3
4     int n, sum=0;
5     scanf("%d",&n);
6     for(int i=1; i<=n; i++){
7         if(i%2!=0){
8             sum+=i;
9         }
10    }
11    printf("Sum = %d ",sum);
12
13 }
14
```

Start here x 3.c x 4.c x

10
Sum = 25
Process returned 0 (0x0) execution time : 7.929 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\4.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 13, Col 2, Pos 198 Insert Read/Write default

ENG 10:32 PM 11/23/2024

5.c - Code::Blocks 20.03

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<global> isPrime(int num): int

Start here x 3.c x 4.c x 5.c x

```
1  #include <stdio.h>
2  int isPrime(int num) {
3      if (num <= 1) {
4          return 0;
5      }
6      for (int i = 2; i * i <= num; i++) {
7          if (num % i == 0) {
8              return 0;
9          }
10     }
11     return 1;
12 }
13 int main() {
14     int n;
15     printf("Enter a positive integer n: ");
16     scanf("%d", &n);
17     printf("Prime numbers between 1 and %d are: \n", n);
18     for (int i = 1; i <= n; i++) {
19         if (isPrime(i)) {
20             printf("%d ", i);
21         }
22     }
23     printf("\n");
24     return 0;
25 }
```

Enter a positive integer n: 16
Prime numbers between 1 and 16 are:
2 3 5 7 11 13

Process returned 0 (0x0) execution time : 2.138 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\5.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 2, Col 23, Pos 42 Insert Read/Write default

Activate Windows
Go to Settings to activate Windows.

10:34 PM 11/23/2024

6.c - Code::Blocks 20.03

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<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x

```
1 #include <stdio.h>
2
3 int main() {
4     int n, sum=0;
5     scanf("%d", &n);
6     for (int i = 1; i <= n; i++) {
7
8         sum+=i;
9     }
10    printf("Sum = %d", sum);
11
12    return 0;
13 }
14
```

"G:\CODE\Uni Lab\lr-6,04324" x + v

```
10
Sum = 55
Process returned 0 (0x0)   execution time : 1.570 s
Press any key to continue.
```

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 x Closed files list x Thread search x

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324205101011\6.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 13, Col 2, Pos 185 Insert Read/Write default

10:36 PM 11/23/2024

7.c - Code::Blocks 20.03

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<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x

```
1  #include <stdio.h>
2
3  int main() {
4      int num, firstdigit, lastdigit;
5      printf("Enter a number: ");
6      scanf("%d", &num);
7
8      lastdigit = num % 10;
9
10     firstdigit = num;
11     while (firstdigit >= 10) {
12         firstdigit /= 10;
13     }
14
15     printf("First digit: %d\n", firstdigit);
16     printf("Last digit: %d\n", lastdigit);
17
18     return 0;
19 }
20
```

Enter a number: 20
First digit: 2
Last digit: 0

Process returned 0 (0x0) execution time : 2.590 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\7.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 15, Pos 175 Insert Read/Write default

Activate Windows
Go to Settings to activate Windows.

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8.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x

```
1  #include <stdio.h>
2
3  int main() {
4      int num, count = 0;
5
6      printf("Enter a number: ");
7      scanf("%d", &num);
8
9      if (num < 0) {
10         num = -num;
11     }
12
13     do {
14         count++;
15         num /= 10;
16     } while (num > 0);
17
18
19     printf("Number of digits: %d\n", count);
20
21     return 0;
22 }
23
```

"G:\CODE\Uni Lab\lr-6,04324" x + v

Enter a number: 5234
Number of digits: 4

Process returned 0 (0x0) execution time : 2.282 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\8.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 7, Col 23, Pos 118 Insert Read/Write default

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10:41 PM 11/23/2024

9.c - Code::Blocks 20.03

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<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x

```
1  #include <stdio.h>
2
3  int main() {
4      int num, sum = 0, digit;
5
6      printf("Enter a number: ");
7      scanf("%d", &num);
8
9      if (num < 0) {
10         num = -num;
11     }
12
13     while (num > 0) {
14         digit = num % 10;
15         sum += digit;
16         num /= 10;
17     }
18
19     printf("Sum of digits: %d\n", sum);
20
21     return 0;
22 }
```

"G:\CODE\Uni Lab\lr-6,04324" x + v

Enter a number: 234
Sum of digits: 9

Process returned 0 (0x0) execution time : 1.422 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\9.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 20, Pos 166 Insert Read/Write default

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Go to Settings to activate Windows.

10:41 PM 11/23/2024

10.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x 10.c x

```
1
2  #include <stdio.h>
3
4  int main() {
5      int num, product = 1, digit;
6
7      printf("Enter a number: ");
8      scanf("%d", &num);
9
10     if (num < 0) {
11         num = -num;
12     }
13
14     if (num == 0) {
15         product = 0;
16     } else {
17
18         while (num > 0) {
19             digit = num % 10;
20             product *= digit;
21             num /= 10;
22         }
23     }
24
25     printf("Product of digits: %d\n", product);
26
27     return 0;
28 }
29
```

Enter a number: 234
Product of digits: 24

Process returned 0 (0x0) execution time : 1.993 s
Press any key to continue.

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 x Closed files list x Thread search x

F. L. Message

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324205101011\10.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 28, Col 2, Pos 442 Insert Read/Write default

10:44 PM 11/23/2024

11.c - Code::Blocks 20.03

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

<global> main():int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x 10.c x 11.c x

```
4 int main() {
5     int num, firstDigit, lastDigit, swappedNum, numDigits, divisor, middlePart;
6
7     printf("Enter a number: ");
8     scanf("%d", &num);
9
10    if (num >= 0 && num < 10 || num > -10 && num < 0) {
11        printf("Swapped number: %d\n", num);
12        return 0;
13    }
14
15    int isNegative = 0;
16    if (num < 0) {
17        isNegative = 1;
18        num = -num;
19    }
20
21    lastDigit = num % 10;
22
23    firstDigit = num;
24    while (firstDigit >= 10) {
25        firstDigit /= 10;
26    }
27
28    numDigits = (int)log10(num) + 1;
29    divisor = pow(10, numDigits - 1);
30    middlePart = num % divisor;
31    middlePart /= 10;
32
33    swappedNum = lastDigit * divisor + middlePart * 10 + firstDigit;
34
35    if (isNegative) {
36        swappedNum = -swappedNum;
37    }
38
39    printf("Swapped number: %d\n", swappedNum);
40
41    return 0;
}
```

Enter a number: 344
Swapped number: 443

Process returned 0 (0x0) execution time : 2.828 s
Press any key to continue.

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 x Closed files list x Thread search x

F. L. Message

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324205101011\11.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 42, Col 2, Pos 889 Insert Read/Write default

10:45 PM 11/23/2024

12.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x 10.c x 11.c x 12.c x

```
1 #include <stdio.h>
2
3 int main() {
4     int num, firstDigit, lastDigit, sum;
5
6     printf("Enter a number: ");
7     scanf("%d", &num);
8
9     if (num < 0) {
10         num = -num;
11     }
12
13     lastDigit = num % 10;
14
15     firstDigit = num;
16     while (firstDigit >= 10) {
17         firstDigit /= 10;
18     }
19
20     sum = firstDigit + lastDigit;
21
22     printf("Sum of first and last digit: %d\n", sum);
23
24     return 0;
25 }
```

*G:\CODE\Uni Lab\lr-6,04324: x + v

Enter a number: 243
Sum of first and last digit: 5

Process returned 0 (0x0) execution time : 1.774 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\12.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 25, Col 2, Pos 419 Insert Read/Write default

Activate Windows
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10:48 PM 11/23/2024

13.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x 10.c x 11.c x 12.c x 13.c x

```
1
2  #include <stdio.h>
3
4  int main() {
5      int num, reversedNum = 0, remainder;
6
7      printf("Enter a number: ");
8      scanf("%d", &num);
9
10     int isNegative = 0;
11     if (num < 0) {
12         isNegative = 1;
13         num = -num;
14     }
15
16     while (num != 0) {
17         remainder = num % 10;
18         reversedNum = reversedNum * 10 + remainder;
19         num /= 10;
20     }
21
22     if (isNegative) {
23         reversedNum = -reversedNum;
24     }
25
26     printf("Reversed number: %d\n", reversedNum);
27
28     return 0;
29 }
30
```

"G:\CODE\Uni Lab\lr-6,04324" x + -

Enter a number: 3452
Reversed number: 2543

Process returned 0 (0x0) execution time : 3.174 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\13.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 29, Col 2, Pos 516 Insert Read/Write default

ENG 10:48 PM 11/23/2024

14.c - Code::Blocks 20.03

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

<global> main():int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x 10.c x 11.c x 12.c x 13.c x 14.c x

```
2  #include <stdio.h>
3
4  int main() {
5      int num;
6
7      printf("Enter a number: ");
8      scanf("%d", &num);
9
10     if (num < 0) {
11         printf("Factors of %d are the same as those of %d:\n", num, -num);
12         num = -num;
13     }
14
15     printf("Factors of %d are:\n", num);
16     for (int i = 1; i <= num; i++) {
17         if (num % i == 0) {
18             printf("%d ", i);
19         }
20     }
21     printf("\n");
22     return 0;
23 }
24
```

Enter a number: 22
Factors of 22 are:
1 2 11 22

Process returned 0 (0x0) execution time : 1.076 s
Press any key to continue.

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 x Closed files list x Thread search x

F. L. Message

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324205101011\14.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 19, Col 10, Pos 388 Insert Read/Write default

10:55 PM 11/23/2024

15.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x 10.c x 11.c x 12.c x 13.c x 14.c x 15.c x

```
1  #include <stdio.h>
2
3  int main() {
4      int num;
5      unsigned long long factorial = 1;
6
7      printf("Enter a non-negative integer: ");
8      scanf("%d", &num);
9
10     if (num < 0) {
11         printf("Factorial is not defined for negative numbers.\n");
12     } else {
13
14         for (int i = 1; i <= num; i++) {
15             factorial *= i;
16         }
17
18         printf("Factorial of %d is %llu\n", num, factorial);
19     }
20
21     return 0;
22 }
23
```

Enter a non-negative integer: 12
Factorial of 12 is 479001600

Process returned 0 (0x0) execution time : 2.637 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\Ir-6,04324205101011\15.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 22, Col 2, Pos 440 Insert Read/Write default

Activate Windows
Go to Settings to activate Windows.

10:56 PM 11/23/2024

16.c - Code::Blocks 20.03

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

<global> main(): int

```
1 #include <stdio.h>
2
3 int main() {
4     int n, sum;
5
6     printf("Enter a positive integer: ");
7     scanf("%d", &n);
8
9     sum = n * (n + 1) / 2;
10
11     printf("Sum of the series 1 + 2 + ... + %d is: %d\n", n, sum);
12
13     return 0;
14 }
15
```

Start here x 3.c x 4.c x 5.c x 6.c x 7.c x 8.c x 9.c x 10.c x 11.c x 12.c x 13.c x 14.c x 15.c x 16.c x

Enter a positive integer: 44
Sum of the series 1 + 2 + ... + 44 is: 990
Process returned 0 (0x0) execution time : 2.237 s
Press any key to continue.

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 x Closed files list x Thread search x

F. L. Message

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324205101011\16.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 14, Col 2, Pos 238 Insert Read/Write default

10:57 PM 11/23/2024

17.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 14.c x 15.c x 16.c x 17.c x 18.c x

```
1 #include <stdio.h>
2
3 int main() {
4     int sum = 0;
5     int term = 7;
6     int commonDifference = 13;
7
8     for (int i = 1; i <= 100; i++) {
9         sum += term;
10        term += commonDifference;
11    }
12
13    printf("Sum of the series 7 + 20 + 33 + ... up to 100 terms is: %d\n", sum);
14
15    return 0;
16 }
17
```

Sum of the series 7 + 20 + 33 + ... up to 100 terms is: 65050

Process returned 0 (0x0) execution time : 0.038 s
Press any key to continue.

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 x Closed files list x Thread search x

F. L. Message

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324205101011\17.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 5, Col 18, Pos 71 Insert Read/Write default

11:00 PM 11/23/2024

18.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 14.c x 15.c x 16.c x 17.c x 18.c x

```
1  #include <stdio.h>
2
3  int main() {
4      int sum = 0;
5      int term = 5;
6      int commonDifference = 6;
7
8      for (int i = 1; i <= 75; i++) {
9
10         if (i % 2 != 0) {
11             sum += term;
12         } else {
13             sum -= term;
14         }
15
16         term += commonDifference;
17     }
18
19     printf("Sum of the series 5 - 11 + 17 - ... up to 75 terms is: %d\n", sum);
20
21     return 0;
22 }
```

"G:\CODE\Uni Lab\lr-6,04324:" x + -

Sum of the series 5 - 11 + 17 - ... up to 75 terms is: 227

Process returned 0 (0x0) execution time : 0.034 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\18.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 22, Col 2, Pos 398 Insert Read/Write default

Activate Windows
Go to Settings to activate Windows.

10:59 PM 11/23/2024

19.c - Code::Blocks 20.03

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

<global> main(): int

```
1 #include <stdio.h>
2
3 int main() {
4     int n, sum = 0;
5
6     printf("Enter a positive integer n: ");
7     scanf("%d", &n);
8
9     for (int i = 1; i <= n; i++) {
10
11         sum += (i * (i + 1)) / 2;
12     }
13
14     printf("Sum of the series 1 + (1+2) + (1+2+3) + ... + (1+2+3+...+%d) is: %d\n", n, sum);
15
16     return 0;
17 }
18
```

Start here x 14.c x 15.c x 16.c x 17.c x 18.c x 19.c x

Enter a positive integer n: 22
Sum of the series 1 + (1+2) + (1+2+3) + ... + (1+2+3+...+22) is: 2024

Process returned 0 (0x0) execution time : 2.581 s
Press any key to continue.

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 x Closed files list x Thread search x

F. L. Message

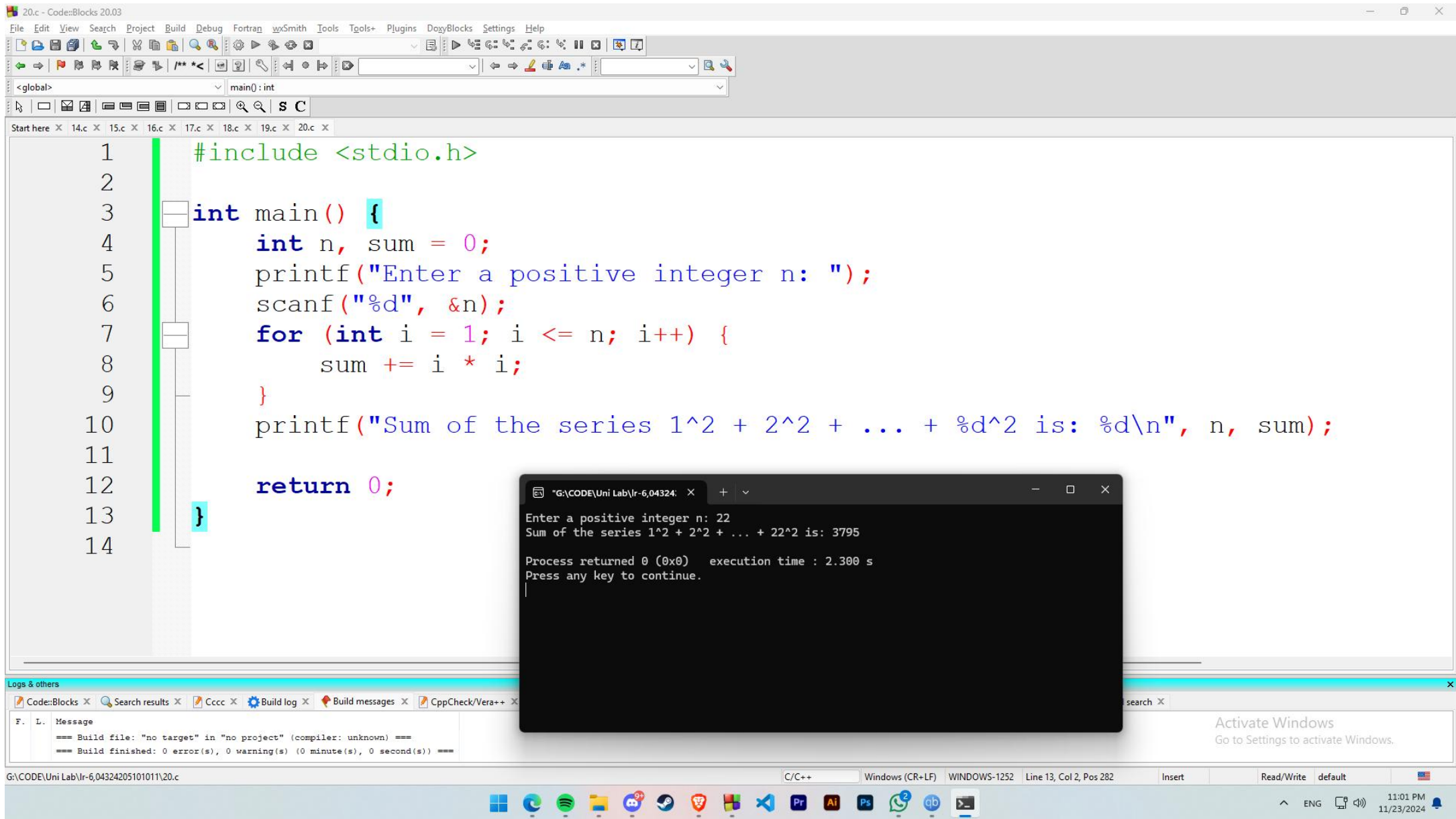
=== Build file: "no target" in "no project" (compiler: unknown) ===
=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\Ir-6,04324\19.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 17, Col 2, Pos 322 Insert Read/Write default

11:00 PM 11/23/2024



21.c - Code::Blocks 20.03

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

<global>

Start here x 22.c x 21.c x

```
1  #include <stdio.h>
2  long long factorial(int n) {
3      long long fact = 1;
4      for (int i = 1; i <= n; i++) {
5          fact *= i;
6      }
7      return fact;
8  }
9
10 int main() {
11     int N;
12     double sum = 0.0;
13
14     printf("Enter a positive integer N: ");
15     scanf("%d", &N);
16
17     for (int i = 1; i <= N; i++) {
18         sum += (double)i / factorial(i);
19     }
20
21     printf("Sum of the series 1/1! + 2/2! + 3/3! + ... + %d/%d! is: %.6lf\n", N, N, sum);
22
23     return 0;
}
```

Enter a positive integer N: 34
Sum of the series 1/1! + 2/2! + 3/3! + ... + 34/34! is: 2.718282

Process returned 0 (0x0) execution time : 2.235 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\21.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 1, Col 1, Pos 0 Insert Read/Write default

11:09 PM 11/23/2024

22.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 22.c x

```
1  #include <stdio.h>
2  #include <math.h>
3
4  int main() {
5      int num, originalNum, remainder, n = 0, result = 0;
6
7      printf("Enter a number: ");
8      scanf("%d", &num);
9
10     originalNum = num;
11
12     while (originalNum != 0) {
13         originalNum /= 10;
14         ++n;
15     }
16
17     originalNum = num;
18
19     while (originalNum != 0) {
20         remainder = originalNum % 10;
21         result += pow(remainder, n);
22         originalNum /= 10;
23     }
24
25     if (result == num) {
26         printf("%d is an Armstrong number.\n", num);
27     } else {
28         printf("%d is not an Armstrong number.\n", num);
29     }
30
31     return 0;

```

G:\CODE\Uni Lab\lr-6,04324: x + -

Enter a number: 2332
2332 is not an Armstrong number.

Process returned 0 (0x0) execution time : 2.832 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\22.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 17, Col 23, Pos 304 Insert Read/Write default

11:08 PM 11/23/2024

23.c - Code::Blocks 20.03

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

<global> main(): int

Start here x 14.c x 15.c x 16.c x 17.c x 18.c x 19.c x 20.c x 21.c x 23.c x

```
1  #include <stdio.h>
2
3  int main() {
4      int num, sum = 0;
5
6      printf("Enter a positive integer: ");
7      scanf("%d", &num);
8
9      for (int i = 1; i <= num / 2; i++) {
10         if (num % i == 0) {
11             sum += i;
12         }
13     }
14
15     if (sum == num) {
16         printf("%d is a Perfect number.\n", num);
17     } else {
18         printf("%d is not a Perfect number.\n", num);
19     }
20
21     return 0;
22 }
```

"G:\CODE\Uni Lab\lr-6,04324: x + -

Enter a positive integer: 22
22 is not a Perfect number.

Process returned 0 (0x0) execution time : 0.560 s
Press any key to continue.

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 x Closed files list x Thread search x

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

G:\CODE\Uni Lab\lr-6,04324205101011\23.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 9, Col 5, Pos 134 Insert Read/Write default

Activate Windows
Go to Settings to activate Windows.

11:02 PM 11/23/2024

24.c - Code::Blocks 20.03

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

<global>

Start here x 22.c x 21.c x 24.c x

```
1  #include <stdio.h>
2  int factorial(int n) {
3      int fact = 1;
4      for (int i = 1; i <= n; i++) {
5          fact *= i;
6      }
7      return fact;
8  }
9  int main() {
10     int num, originalNum, remainder, sum = 0;
11     printf("Enter a number: ");
12     scanf("%d", &num);
13     originalNum = num;
14     while (num != 0) {
15         remainder = num % 10;
16         sum += factorial(remainder);
17         num /= 10;
18     }
19     if (sum == originalNum) {
20         printf("%d is a Strong number.\n", originalNum);
21     } else {
22         printf("%d is not a Strong number.\n", originalNum);
23     }
24
25     return 0;
26 }
```

Enter a number: 232
232 is not a Strong number.

Process returned 0 (0x0) execution time : 1.752 s
Press any key to continue.

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 x Closed files list x Thread search x

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

Activate Windows
Go to Settings to activate Windows.

G:\CODE\Uni Lab\lr-6,04324205101011\24.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 1, Col 1, Pos 0 Insert Read/Write default

11:09 PM 11/23/2024