

main.c - Code::Blocks 20.03

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<global> getDiameter(double radius): double

management x Start here x main.c x

Projects Files FSy Workspace

```
37 //2
38 float radius,dia,circ,area;
39
40 printf("enter radius of circle");
41 scanf("%f",&radius);
42
43 dia=getDiameter(radius);
44 circ=getCircumference(radius);
45 area=getArea(radius);
46
47 printf("Diameter of the circle=%f units\n",dia);
48 printf("Circumference of the circle=%f units\n",circ);
49 printf("Area of the circle=%f squire units",area);
50
51 return 0;
52 }
53
54 double getDiameter(double radius)
55 {
56     return(2*radius);
57 }
58
59
```

"D:\New folder (2)\mah1\main.exe"

```
enter radius of circle4
Diameter of the circle=8.000000 units
Circumference of the circle=25.120001 units
Area of the circle=50.240002 squire units
Process returned 0 (0x0) execution time : 8.331 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 Close

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)) ===

New folder (2)\mah1\main.c C/C++ Windows (CR+LF) WINDOWS-1256 Line 56, Col 1, Pos 808 Insert Read/Write default ENG 4:27 AM 9/10/2023

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main.c - Code::Blocks 20.03

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<global> min(int num1, int num2) : int

Start here x main.c x

```
79 //3
80 int num1,num2,maximum,minimum;
81
82 printf("enter any two numbers");
83 scanf("%d%d",&num1,&num2);
84
85 maximum=max(num1,num2);
86 minimum=min(num1,num2);
87
88 printf("\nMaximum=%d\n",maximum);
89 printf("Minimum=%d",minimum);
90
91 return 0;
92 }
93
94 int max(int num1,int num2)
95 {
96     return (num1>num2)?num1:num2;
97 }
98
99 int min(int num1,int num2)
100 {
101     return (num1>num2)?num2:num1;
```

"D:\New folder (2)\mah1\main.exe"

enter any two numbers60 50

Maximum=60
Minimum=50
Process returned 0 (0x0) execution time : 12.612 s
Press any key to continue.

Logs & others

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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)) ===

New folder (2)\mah1\main.c C/C++ Windows (CR+LF) WINDOWS-1256 Line 101, Col 18, Pos 1418 Insert Read/Write default

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main.c - Code::Blocks 20.03

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<global> printPrimes(int lowerLimit, int upperLimit) : void

Start here x *main.c x

```
106
107
108 //6
109 int lowerLimit, upperLimit;
110
111 printf("enter the lower and upper limit to list primes");
112 scanf("%d%d", &lowerLimit, &upperLimit);
113
114 printPrimes(lowerLimit, upperLimit);
115
116 return 0;
117 }
118
119 void printPrimes(int lowerLimit, int upperLimit)
120 {
121     printf("All prime number between %d to %d are", lowerLimit, upperLimit);
122
123     while(lowerLimit <= upperLimit)
124     {
125         if(isPrime(lowerLimit))
126         {
127             printf("%d, ", lowerLimit);
128         }
```

"D:\New folder (2)\mah1\main.exe"

enter the lower and upper limit to list primes10 50
All prime number between 10 to 50 are11,13,17,19,23,29,31,37,41,43,47,
Process returned 0 (0x0) execution time : 40.763 s
Press any key to continue.

Logs & others

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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)) ====

New folder (2)\mah1\main.c C/C++ Windows (CR+LF) WINDOWS-1256 Line 119, Col 9, Pos 1717 Insert Modified Read/Write default

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main.c - Code::Blocks 20.03

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<global> isArmstrong(int num) : int

management x Start here x main.c x

```
154 //8
155 int start,end;
156
157 printf("enter lower limit to print armstrong numbers");
158 scanf("%d",&start);
159 printf("enter upper limit to print armstrong numbers");
160 scanf("%d",&end);
161
162 printf("All armstrong numbers between %d to %d are: \n",start,end);
163 printArmstrong(start,end);
164
165 return 0;
166 }
167
168 int isArmstrong(int num)
169 {
170     int temp,lastDigit,sum;
171     temp=num;
172     sum=0;
173     while(temp != 0)
```

"D:\New folder (2)\mah1\main.exe"

```
enter lower limit to print armstrong numbers1
enter upper limit to print armstrong numbers800
All armstrong numbers between 1 to 800 are:
1,153,370,371,407,
Process returned 0 (0x0)   execution time : 9.930 s
Press any key to continue.
```

Logs & others

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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)) ===

New folder (2)\mah1\main.c C/C++ Windows (CR+LF) WINDOWS-1256 Line 173, Col 1, Pos 2502 Insert Read/Write default

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<global>

management x Start here x main.c x

Projects Files FSy Workspace

```
208 //12
209 int lowerLimit,upperLimit;
210
211 printf("enter lower limit");
212 scanf("%d",&lowerLimit);
213 printf("enter upper limit");
214 scanf("%d",&upperLimit);
215
216 printf("even/odd Numbers from %d to %d are",lowerLimit,upperLimit);
217 printEvenOdd(lowerLimit,upperLimit);
218
219 return 0;
220 }
221
222 void printEvenOdd(int cur,int limit)
223 {
224     if(cur>limit)
225         return;
226
227     printf("%d,",cur);
228
229     printEvenOdd(cur+2,limit);
230 }
```

"D:\New folder (2)\mah1\main.exe"

```
enter lower limit1
enter upper limit100
even/odd Numbers from 1 to 100 are1,3,5,7,9,11,13,15,17,19,21,23,
25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63,65,67
,69,71,73,75,77,79,81,83,85,87,89,91,93,95,97,99,
Process returned 0 (0x0) execution time : 9.730 s
Press any key to continue.
```

Logs & others

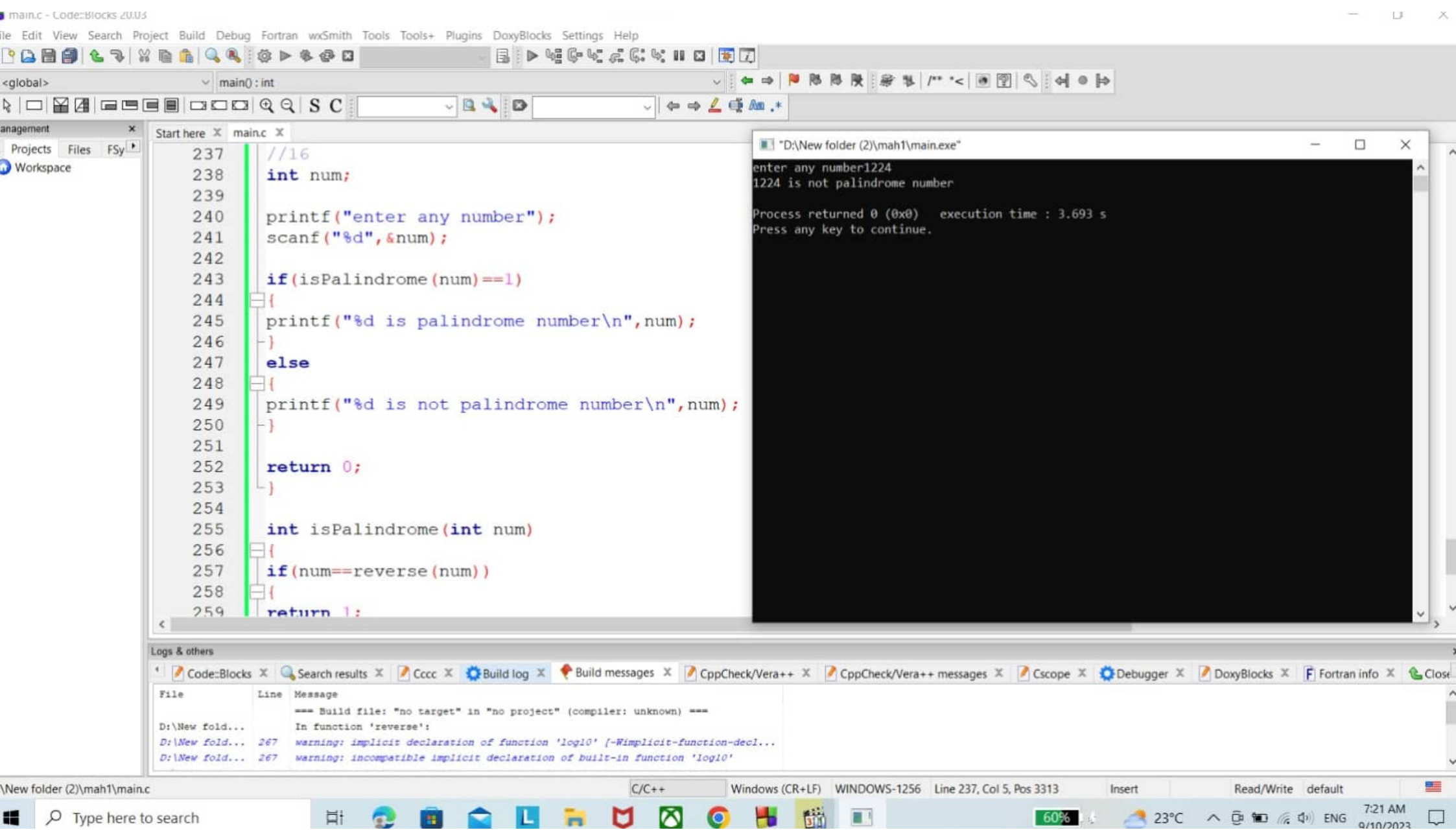
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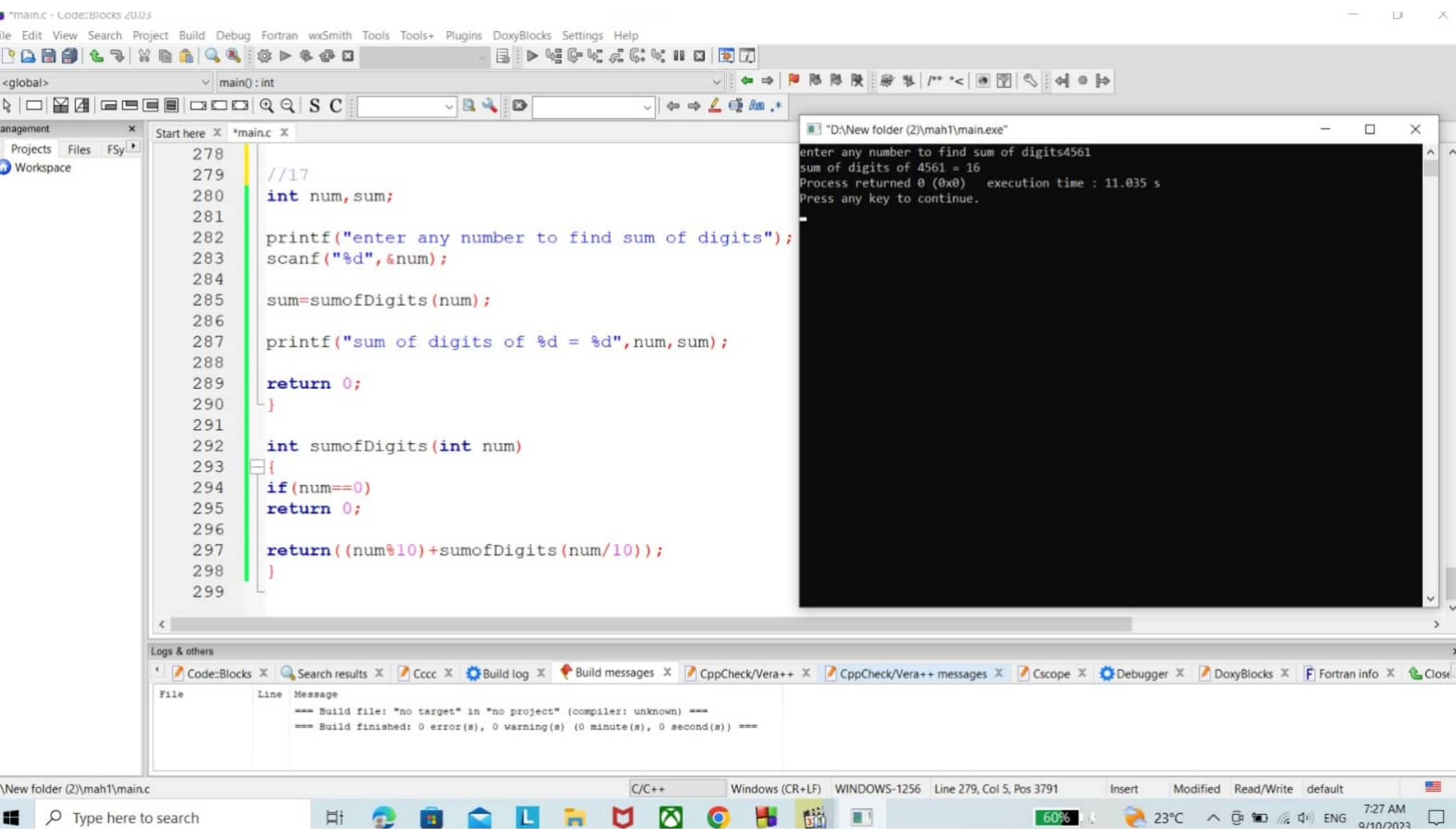
File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

New folder (2)\mah1\main.c C/C++ Windows (CR+LF) WINDOWS-1256 Line 221, Col 1, Pos 3124 Insert Read/Write default

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Code::Blocks 20.03

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<global> main() : int

Start here x *main.c x

```
304 //18
305 int num;
306 unsigned long long factorial;
307
308 printf("enter any number");
309 scanf("%d",&num);
310
311 factorial=fact(num);
312
313 printf("Factorial of %d is %llu",num,factorial);
314
315 return 0;
316 }
317
318 unsigned long long fact(int num)
319 {
320 if(num==0)
321 return 1;
322 else
323 return num*fact(num-1);
324 }
325
```

"D:\New folder (2)\mah1\main.exe"

```
enter any number12
Factorial of 12 is 479001600
Process returned 0 (0x0) execution time : 2.079 s
Press any key to continue.
```

Logs & others

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File	Line	Message
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		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

New folder (2)\mah1\main.c C/C++ Windows (CR+LF) WINDOWS-1256 Line 304, Col 5, Pos 4116 Insert Modified Read/Write default

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