

The screenshot shows the Code::Blocks IDE interface. The main window displays a C source code file named `main.c`. The code calculates the number of years, weeks, and days from a given number of days (1343). The code uses standard input/output functions and arithmetic operations. The build log tab at the bottom shows the compilation and execution process, indicating a successful run with a status of -1073741510.

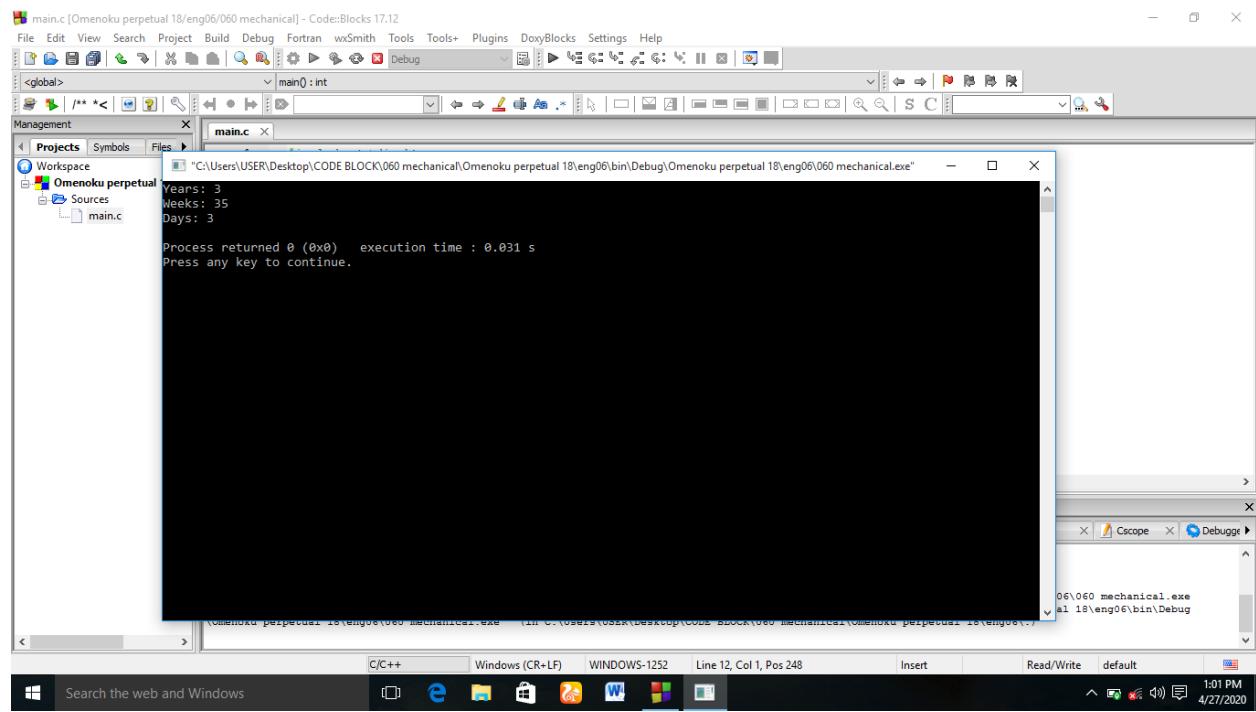
```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int days, years, weeks;
    days = 1343;
    //Converts days to years, weeks and days
    years = days/365;
    weeks = (days % 365)/7;
    days = days - ((years*365) + (weeks*7));
    printf("Years: %d\n", years);
    printf("Weeks: %d\n", weeks);
    printf("Days: %d\n", days);

    return 0;
}
```

Logs & others

```
----- Run: Debug in Omenoku perpetual 18\eng06\060 mechanical (compiler: GNU GCC Compiler) -----
Checking for existence: C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06\060 mechanical.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06\060 mechanical.exe" (in C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06..)
Process terminated with status -1073741510 (0 minute(s), 7 second(s))
```



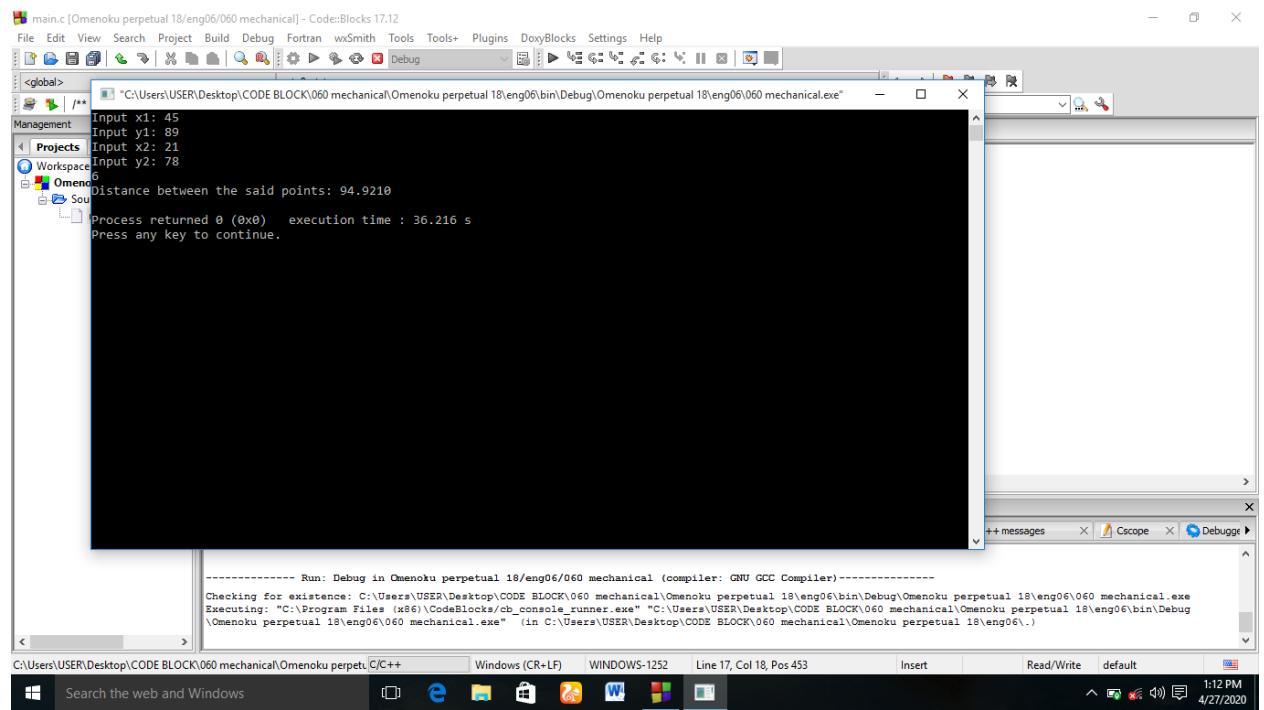
The screenshot shows the Code::Blocks IDE interface. The main window displays a C source code file named `main.c`. The code calculates the distance between two points using the Pythagorean theorem. The IDE includes a project management panel on the left, a code editor with syntax highlighting, and a logs & others panel at the bottom showing build messages.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    float x1, y1, x2, y2, gdistance;
    printf("Input x1: ");
    scanf("%f", &x1);
    printf("Input y1: ");
    scanf("%f", &y1);
    printf("Input x2: ");
    scanf("%f", &x2);
    printf("Input y2: ");
    scanf("%f", &y2);
    gdistance = ((x2-x1)*(x2-x1))+((y2-y1)*(y2-y1));
    printf("Distance between the said points: %.4f", sqrt(gdistance));
    return 0;
}
```

Logs & others

| File | Line | Message |
|------------------|------|--|
| C:\Users\USER... | 14 | ==== Build: Debug in Omenoku perpetual 18/eng06/060 mechanical (compiler: GNU GCC Compi... |
| C:\Users\USER... | 14 | warning: format '%f' expects a matching 'float *' argument [-Wformat] |
| C:\Users\USER... | 16 | warning: implicit declaration of function 'sqrt' [-Wimplicit-function-declaration] |
| C:\Users\USER... | 16 | warning: incompatible implicit declaration of built-in function 'sqrt' |

C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpet. C/C++ Windows (CR+LF) WINDOWS-1252 Line 17, Col 18, Pos 453 Insert Read/Write default 1:13 PM 4/27/2020



main.c [Omenoku perpetual 18/eng06/060 mechanical] - Code::Blocks 17.12

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Management X

Projects Symbols Files <global> main.c

Workspace Omenoku perpetual 18/eng06/060 mechanical Sources main.c

main.c

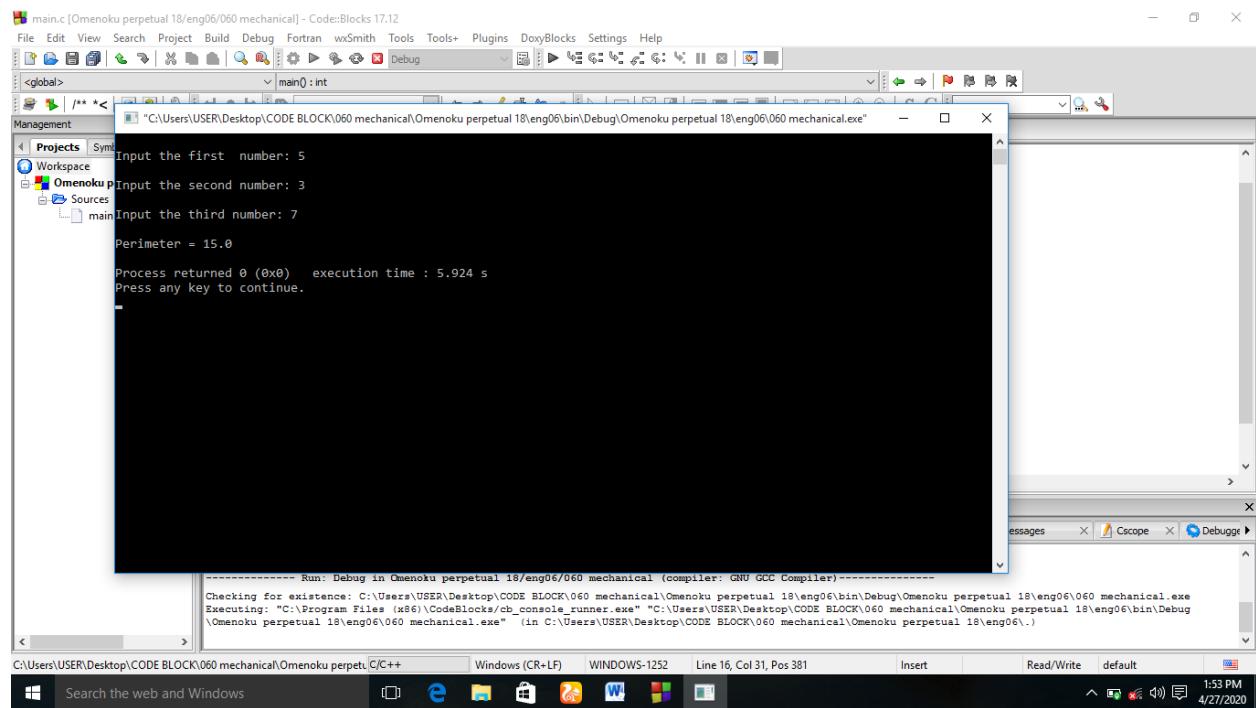
```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     float x, y, z, P, A;
7     printf("\nInput the first number: ");
8     scanf("%f", &x);
9     printf("\nInput the second number: ");
10    scanf("%f", &y);
11    printf("\nInput the third number: ");
12    scanf("%f", &z);
13
14    if(x < (y+z) && y < (x+z) && z < (y+x))
15    {
16        P = x+y+z;
17        printf("\nPerimeter = %.1f\n", P);
18    }
19    else
20    {
21    }
}
```

Logs & others

File Line Message

```
==== Build: Debug in Omenoku perpetual 18/eng06/060 mechanical (compiler: GNU GCC Compiler)
C:\Users\USER\... In function 'main':
C:\Users\USER\... 5   warning: unused variable 'A' [-Wunused-variable]
==== Build finished: 0 errors(s), 1 warning(s) (0 minute(s), 0 second(s)) ====
==== Run: Debug in Omenoku perpetual 18/eng06/060 mechanical (compiler: GNU GCC Compiler)
```

C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpet... C/C++ Windows (CR+LF) WINDOWS-1252 Line 16, Col 31, Pos 381 Insert Read/Write default 1:53 PM 4/27/2020



The screenshot shows the Code::Blocks IDE interface. The main window displays a C source code file named 'main.c' with the following content:

```
10 while(count<35)
11 {
12     printf("Enter age of person [%d]:",count+1);
13     scanf("%d",&age);
14     if(age>=0 && age<=2)
15         cnt_baby++;
16     else if(age>=5 && age<=17)
17         cnt_school++;
18     else
19         cnt_adult++;
20     //Increase counter
21     count++;
22 }
23 printf("Baby age: %d\n",cnt_baby);
24 printf("School age : %d\n",cnt_school);
25 printf("Adult age: %d\n",cnt_adult);
26
27
28
29
30 }
```

The 'Logs & others' tab at the bottom shows the build log output:

```
----- Run: Debug in Omenoku perpetual 18\eng06\060 mechanical (compiler: GNU GCC Compiler) -----
Checking for existence: C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06\060 mechanical.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06\060 mechanical.exe" (in C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06..)
Process terminated with status 0 (0 minute(s), 49 second(s))
```

The taskbar at the bottom shows the current path: C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetu. C/C++.

main.c [Omenoku perpetual 18\eng06\060 mechanical] - Code::Blocks 17.12

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Enter age of person [1]:12
Enter age of person [2]:7
Enter age of person [3]:43
Enter age of person [4]:76
Enter age of person [5]:23
Enter age of person [6]:8
Enter age of person [7]:9
Enter age of person [8]:15
Enter age of person [9]:0
Enter age of person [10]:4
Enter age of person [11]:67
Enter age of person [12]:10
Enter age of person [13]:12
Enter age of person [14]:58
Enter age of person [15]:60
Baby age: 2
School age : 7
Adult age: 6

Process returned 0 (0x0) execution time : 37.988 s
Press any key to continue.

----- Run: Debug in Omenoku perpetual 18\eng06\060 mechanical (compiler: GNU GCC Compiler) -----
Checking for existence: C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06\bin\Debug\Omenoku perpetual 18\eng06\060 mechanical.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06\bin\Debug\Omenoku perpetual 18\eng06\060 mechanical.exe" (in C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpetual 18\eng06\.)

C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpet. C/C++ Windows (CR+LF) WINDOWS-1252 Line 27, Col 6, Pos 621 Insert Read/Write default

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Management X

Projects Symbols Files <global>

Workspace Omenoku perpetual 18/eng06/060 mechanical

Sources main.c

main.c

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int random_genNo=0, count=0, num;
7     int stime;
8     long ltime;
9
10    //initialise srand with current time, to get random number on every run
11    ltime = time(NULL);
12    stime = (unsigned) ltime/2;
13    srand(stime);
14    //generate random number
15    random_genNo=rand()%100;
16
17    //run infinite loop
18    while(1)
19    {
20        //increase counter
21        count+=1;
22    }
}
```

Logs & others

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

| File | Line | Message |
|-------------------|------|---|
| C:\Users\USER\... | 11 | ==== Build: Debug in Omenoku perpetual 18/eng06/060 mechanical (compiler: GNU GCC Compiler) |
| C:\Users\USER\... | 11 | In function 'main': |
| | | warning: implicit declaration of function 'time' [-Wimplicit-function-declaration] |
| | | ==== Build finished: 0 error(s), 1 warning(s) (0 minute(s), 1 second(s)) === |
| | | ==== Run: Debug in Omenoku perpetual 18/eng06/060 mechanical (compiler: GNU GCC Compiler) |

C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpet... C/C++ Windows (CR+LF) WINDOWS-1252 Line 23, Col 49, Pos 521 Insert Read/Write default

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Management X

Projects Symbols Files <global>

Workspace Omenoku perpetual 18/eng06/060 mechanical

Sources main.c

main.c

```
22 //read number from user
23 printf("\n\nGuess a number from (0 to 10): ");
24 scanf("%d",&num);
25 //compare entered number with generated number
26 if(random_genNo==num){
27     printf("Congratulations, you have guessed a correct number.");
28     break;
29 }
30 else if(random_genNo<num){
31     printf("Generated number is less than entered number, try your luck again...");}
32 else if(random_genNo>num){
33     printf("Generated number is greater than entered number, try your luck again...");}
34
35
36 if(count==7){
37     printf("\n\n### Maximum limit of attempt finished, BAD LUCK !!!\n");
38     break;
39 }
40
41
42 return 0;
```

Logs & others

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

| File | Line | Message |
|-------------------|------|---|
| C:\Users\USER\... | 11 | ==== Build: Debug in Omenoku perpetual 18/eng06/060 mechanical (compiler: GNU GCC Compiler) |
| C:\Users\USER\... | 11 | In function 'main': |
| | | warning: implicit declaration of function 'time' [-Wimplicit-function-declaration] |
| | | ==== Build finished: 0 error(s), 1 warning(s) (0 minute(s), 1 second(s)) === |
| | | ==== Run: Debug in Omenoku perpetual 18/eng06/060 mechanical (compiler: GNU GCC Compiler) |

C:\Users\USER\Desktop\CODE BLOCK\060 mechanical\Omenoku perpet... C/C++ Windows (CR+LF) WINDOWS-1252 Line 23, Col 49, Pos 521 Insert Read/Write default 2:27 PM 4/27/2020

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<global> main.c

Management X

Projects Symbols Files

Workspace Omenoku perpetual

Sources main.c

```
Guess a number from (0 to 100): 75
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 35
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 85
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 92
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 47
Generated number is less than entered number, try your luck again...

Guess a number from (0 to 100): 23
Generated number is greater than entered number, try your luck again...

Guess a number from (0 to 100): 56
Generated number is less than entered number, try your luck again...

### Maximum limit of attempt finished, BAD LUCK !!!
```

Process returned 0 (0x0) execution time : 17.977 s
Press any key to continue.

C/C++ Windows (CR+LF) WINDOWS-1252 Line 23, Col 49, Pos 521 Insert Read/Write default

Omenoku perpetual 18\eng06\060 mechanical.exe

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