

Start here X main.c X

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int years , weeks ,days;
7     days=1343;
8 //converts days to years,weeks and days
9
10    years=days/365;
11    weeks=(days % 365)/7;
12    days=(days%365)%7;
13    printf ("years:%d\n",years);
14    printf ("weeks:%d\n",weeks);
15    printf ("days:%d\n",days);
16    return 0;
17 }
18
```

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 Debug X

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)) ==

ment\days week\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 7, Col 14, Pos 103 Insert Read/Write default

search

File Explorer Internet Explorer Microsoft Edge Microsoft Store Microsoft Word Microsoft Powerpoint

3:58 pm ENG UK 26/04/2020

years:3
weeks:35
days:3

Process returned 0 (0x0) execution time : 0.063 s
Press any key to continue.

Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug main() : int

main.c X main X

```
3
4     int main()
5     {
6         int x1 , x2 , y1 , y2,x,y,distance;
7         //take the first point coordinate
8         printf("enter coordinate of first point x1:");
9         scanf("%d",&x1);
10        printf("enter coordinate of first point y1:");
11        scanf("%d",&y1);
12        //take the second point coordinate
13        printf("enter coordinate of second point x2:");
14        scanf("%d",&x2);
15        printf("enter coordinate of second point y2:");
16        scanf("%d",&y2);
17
18        x=(x2-x1);
19        y=(y2-y1);
20        distance = sqrt( (x*x) + (y*y) );
21
22        printf("distance=%d",distance);
23        return 0;
```

Logs & others

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

File	Line	Message
C:\Users\AWE\D...		== Build: Debug in distance between two points (compiler: GNU GCC Compiler) ==
C:\Users\AWE\D...	20	In function 'main':
C:\Users\AWE\D...	20	warning: implicit declaration of function 'sqrt' [-Wimplicit-function-declaration]
C:\Users\AWE\D...	20	warning: incompatible implicit declaration of built-in function 'sqrt'
C:\Users\AWE\D...	20	note: include '<math.h>' or provide a declaration of 'sqrt'

distance between two points\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 20, Col 20, Pos 529 Insert Read/Write default ENG UK 4:28 pm 26/04/2020

```
Sym enter coordinate of first point x1:10  
enter coordinate of first point y1:35  
e enter coordinate of second point x2:14  
ce be enter coordinate of second point y2:8  
urces distance=27  
main Process returned 0 (0x0) execution time : 13.374 s  
Press any key to continue.
```

```
----- Run: Debug in distance between two points (compiler: GNU GCC Compiler)-----  
Checking for existence: C:\Users\AWE\Desktop\Assignment\distance between two points\bin\Debug\distance  
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\AWE\Desktop\Assignment\distance between two points\distance between two points.exe" . (in C:\Users\AWE\Desktop\Assignment\distance between two points\.)
```

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

main() : int

main.c main.c main.c

```
3
4     int main()
5     {
6         float a, b, c, perimeter;
7         printf("\ninput the first number:");
8         scanf("%f",&a);
9         printf("\ninput the second number:");
10        scanf("%f",&b);
11        printf("\ninput the third number:");
12        scanf("%f",&c);
13        if(a < (b+c) && b < (a+c) && c< (b+a))
14        {
15            perimeter=a+b+c;
16            printf("\nperimeter =%.lf\n",perimeter);
17        }
18        else
19        {
20            printf("not possible to create a triangle...!");
21            return 0;
22        }
23    }
```

Logs & others

Code::Blocks Search results Cccccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Csc

```
----- Run: Debug in floating triangle (compiler: GNU GCC Compiler) -----
Checking for existence: C:\Users\AWE\Desktop\Assignment\floating triangle\bin\Debug\floating triangle.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\AWE\Desktop\Assignment\floating triangle\bin\Debug\floating triangle"
C:\Users\AWE\Desktop\Assignment\floating triangle\
Process terminated with status 0 (0 minute(s), 13 second(s))
```

ers\AWE\Desktop\Assignment\floating triangle\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 15, Col 24, Pos 353 Insert Read/Write default

Type here to search

```
global> input the first number:5  
anager  
Project  
Work input the second number:3  
di  
perimeter =15.0  
Process returned 0 (0x0) execution time : 8.360 s  
Press any key to continue.
```

----- Run: Debug in floating triangle (compiler: GNU GCC Compiler)-----
Checking for existence: C:\Users\AWE\Desktop\Assignment\floating triangle\bin\Debug\floating triangle.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\AWE\Desktop\Assignment\floating triangle\bin\Debug\floating triangle\"

C/C++

Windows (CR+LF)

WINDOWS-1252

Line 15, Col 24, Pos 353

Insert

Read



Type here to search



les > points

main.c X main.c X main.c X main.c X main.c X

```
4 int main()
5 {
6     int age;
7     int cb=0, cs=0, ca=0;
8     int count=0;
9     while(count<15)
10    {
11        printf("enter age of person %d:", count+1);
12        scanf("%d", &age);
13        if(age>=0 && age<=4)
14            cb++;
15        else if(age>=5 && age<=17)
16            cs++;
17        else
18            ca++;
19        count++;
20    }
21    printf("baby age: %d\n", cb);
22    printf("school age: %d\n", cs);
23    printf("adult age: %d\n", ca);
24    return 0;
25 }
```

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

Debu X

Checking for existence: C:\Users\AWE\Desktop\Assignment\awe faruq\bin\Debug\awe faruq.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\AWE\Desktop\Assignment\awe faruq\bin\Debug\awe faruq.exe" (in C:\Users\AWE\Desktop\Assignment\awe faruq..)
Process terminated with status 0 (0 minute(s), 30 second(s))



```
enter age of person 1:0
enter age of person 2:1
enter age of person 3:2
enter age of person 4:55
enter age of person 5:66
enter age of person 6:3
enter age of person 7:4
enter age of person 8:8
enter age of person 9:65
enter age of person 10:45
enter age of person 11:7
enter age of person 12:9
enter age of person 13:2
enter age of person 14:40
enter age of person 15:2
baby age: 7
school age: 3
adult age:5
```

```
Process returned 0 (0x0) execution time : 23.019 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++ m

----- Run: Debug in awe_faruq (compiler: GNU GCC Compiler) -----

Checking for existence: C:\Users\AWE\Desktop\Assignment\awe_faruq\bin\Debug\awe_faruq.exe

Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\AWE\Desktop\Assignment\awe_faruq\bin\Debug\awe_faruq\.."

The screenshot shows the Code::Blocks IDE interface. The top menu bar includes 'File', 'Edit', 'Project', 'Build', 'Run', 'Tools', 'Help', and 'View'. The toolbar contains icons for file operations like new, open, save, cut, copy, paste, and search, along with build and run buttons. The main window displays a C source code file named 'main.c' with line numbers 1 through 22. The code implements a simple number guessing game. It includes headers for stdio.h and stdlib.h, declares variables for randomgenno, count, num, stime, and ltime, initializes ltime using time(NULL), and generates a random number between 0 and 100 using rand(). A while loop runs indefinitely, incrementing the counter, prompting the user to guess a number from 0 to 100, and comparing the user's input with the generated number. The code uses // for single-line comments. The bottom status bar shows the path 'C:\Users\AWE\D...'.

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int randomgenno=0, count=0, num;
7     int stime;
8     long ltime;
9     ltime = time(NULL);
10    stime = (unsigned) ltime/2;
11    srand(stime);
12    //generate random number
13    randomgenno=rand()%100;
14    //run infinite loop
15    while(1)
16    {
17        //increase counter
18        count+=1;
19        //read number from user
20        printf("\n\\guess a number from 0 to 100:");
21        scanf("%d", &num);
22        //compare user number with generated number
23        if (randomgenno == num)
```

Logs & others

File	Line	Message
==== Build: Debug in awe faug 19\eng06\065 (compiler: GNU GCC Compiler) ===		
C:\Users\AWE\D...	1	In function 'main':

The screenshot shows the Code::Blocks IDE interface. The top menu bar includes standard icons like file, edit, build, and help. Below the menu is a toolbar with various tools. The main workspace displays a C program named 'main.c' with line numbers 19 through 40. The code implements a simple number guessing game where the user inputs a number and the program compares it with a randomly generated number between 0 and 100. It provides feedback on whether the guess is correct, too low, or too high, and limits the user to 7 attempts. The code uses printf and scanf for input/output and if statements for logic.

```
19 //read number from user
20     printf("\n\\guess a number from 0 to 100:");
21     scanf("%d", &num);
22 //compare enter number with generated number
23     if(randomgenno==num) {
24         printf("congratulations, you have guessed a correct number.");
25         break;
26     }
27     else if(randomgenno<num) {
28         printf("generated number is less than entered number, try your luck again,");
29     }
30     else if(randomgenno>num) {
31         printf("generated number is greater than entered number, try your luck again, ");
32     }
33     if(count==7) {
34         printf("\n\n###maximum limit of attempt finished !!!\n");
35         break;
36     }
37 }
38 return 0;
39 }
```

Logs & others

The 'Logs & others' tab contains several tabs for monitoring the development process:

- Code::Blocks
- Search results
- Cccc
- Build log
- Build messages
- CppCheck/Vera++
- CppCheck/Vera++ messages
- Csc

The 'Build messages' tab is currently active, displaying the following output:

```
File      Line      Message
C:\Users\AWE\D...  In function 'main':
C:\Users\AWE\D...  9      warning: implicit declaration of function 'time' [-Wimplicit-function-declaration]
C:\Users\AWE\D...  9      == Build finished: 0 errors(s), 1 warning(s) / 0 minute(s), 0 second(s) ==
```

ween two

```
\guess a number from 0 to 100:99
generated number is less than entered number, try your luck again,
\guess a number from 0 to 100:67
generated number is less than entered number, try your luck again,
\guess a number from 0 to 100:12
generated number is greater than entered number, try your luck again,
\guess a number from 0 to 100:43
generated number is less than entered number, try your luck again,
\guess a number from 0 to 100:67
generated number is less than entered number, try your luck again,
\guess a number from 0 to 100:54
generated number is less than entered number, try your luck again,
\guess a number from 0 to 100:0
generated number is greater than entered number, try your luck again,
###maximum limit of attempt finished !!!
```

```
Process returned 0 (0x0) execution time : 14.559 s
Press any key to continue.
```

