

The screenshot shows a software environment with multiple windows. At the top is a menu bar with File, Edit, View, Search, Project, Build, Debug, Fortran, wsmith, Tools, Tools+, Plugins, DoxygenBlocks, Settings, Help, and a Debug dropdown. Below the menu is a toolbar with various icons. The main area contains two code editors: one titled 'main.c' and another titled 'main.c'. The code in 'main.c' is as follows:

```
//OLOGUNAGBA BRIGHT
//18/ENGO4/062
// EJECT/EJECT
#include <stdio.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;
}
```

Below the code editors is a terminal window with the following output:

```
"C:\Users\LENOVO\Documents\2nd semester\ENG 22A\first program\bin\Debug\...
years: 3
weeks: 35
Days: 3

Process returned 0 (0x0)   execution time : 0.016 s
```

Debug

main0 : int

main.c X

```
1 // OLOGUNAGBA BRIGHT TOLUWALOPE
2 // 18/ENG04/062
3 // ELECT/ELECT

4 #include <stdio.h>

5 int main() {
6     float x, y, z, Q;
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    if(x < (y+z) && y < (x+z) && z < (y+x))
14    {
15        Q = x+y+z;
16        printf("A triangle can be created");
17        printf("\nPerimeter = %.1f\n", Q);
18    }
19    else
20    {
21        printf(" A triangle can not be created...!");
22    }
23}
24
25
```

"C:\Users\LENOVO\Documents\2nd semester\062\18\ENG04\bin\Debug\..."

input the first number: 5
input the second number: 3
input the third number: 7
A triangle can be created
Perimeter = 15.0
Process returned 0 (0x0) execution time : 40.097 s
Press any key to continue.

main.c - Code::Blocks 17.12

File Edit View Search Project Build Debug Fortran wsmith Tools Tools+ Plugins Doxygen Settings Help

global>

Start here X main.c X

```
1 // OLOGUNAGBA BRIGHT TOLUWALOPE
2 // 18/ENG04/062
3 // ELEC1/ELECT
4
5 #include <stdio.h>
6 #include <math.h>
7
8 int main()
9 {
10     float x1, y1, x2, y2, distanceresult;
11     printf("input x1: ");
12     scanf("%f", &x1);
13     printf("input y1: ");
14     scanf("%f", &y1);
15     printf("input x2: ");
16     scanf("%f", &x2);
17     printf("input y2: ");
18     scanf("%f", &y2);
19     distanceresult = ((x2-x1)*(x2-x1)) + ((y2-y1)*(y2-y1));
20     printf("Distance between the points: %.4f", sqrt(distanceresult));
21     printf("\n");
22
23 }
```

"C:\Users\LENOVO\Documents\2nd semester\second pppp\main.exe"

```
input x1: 15
input y1: 20
input x2: 25
input y2: 10
Distance between the points: 14.1421
Process returned 0 (0x0) execution time : 27.453 s
Press any key to continue.
```

The screenshot shows a C IDE interface with two windows. The top window displays the code for `main.c`, and the bottom window shows the terminal output of the program's execution.

Code in main.c:

```
//LOGUNAGBA BRIGHT TOLUWALOPE
//18/ENG04/062
//SELECT/ELECT
#include <stdio.h>
int main()
{
    int age;
    int cnt_baby=0, cnt_school=0, cnt_adult=0;
    int count=0;
    while(count<20)
    {
        printf("Enter age of person [%d]: ", count+1);
        scanf("%d", &age);
        if (age>0 && age<=4)
            cnt_baby++;
        else if (age>=5 && age<=17)
            cnt_school++;
        else
            cnt_adult++;
        count++;
    }
    printf("Baby age: %d\n", cnt_baby);
    printf("School age: %d\n", cnt_school);
    printf("Adult age: %d\n", cnt_adult);
    return 0;
}
```

Terminal Output:

```
C:\Users\LENOVO\Documents\2nd semester\OI...
Enter age of person [1]: 10
Enter age of person [2]: 4
Enter age of person [3]: 5
Enter age of person [4]: 13
Enter age of person [5]: 9
Enter age of person [6]: 16
Enter age of person [7]: 22
Enter age of person [8]: 24
Enter age of person [9]: 55
Enter age of person [10]: 7
Enter age of person [11]: 14
Enter age of person [12]: 6
Enter age of person [13]: 2
Enter age of person [14]: 66
Enter age of person [15]: 17
Enter age of person [16]: 15
Enter age of person [17]: 18
Enter age of person [18]: 30
Enter age of person [19]: 12
Enter age of person [20]: 7
Baby age: 2
School age: 12
Adult age: 6
```

Process returned 0 (0x0) execution time : 56.842 s

Press any key to continue.

<global>

main0: int

Management X

Projects X

Workspace elECT

Source main.c

main.c X

main.c

```
//OLOGUNAGBA BRIGHT
//18/ENG04/062
//ELECT/ELECT

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

int main()
{
    int random_genNo=0, count=0, num;
    int stime;
    long ltime;
    ltime = time(NULL);
    stime = (unsigned) ltime/2;
    srand(stime);
    random_genNo=rand() %100;
    while(1)
    {
        count+=1;
        printf("\n\nGuess a number from (0 to 100): ");
        scanf("%d", &num);
        if (random_genNo== num){
            printf("congratulations, you have guessed the correct number\n");
            break;
        }
        else if(random_genNo<num){
            printf("Generated number is less than the number you entered, try again...\n");
        }
        else if(random_genNo>num){
            printf("Generated number is greater than the number you entered, try again...\n");
        }
    }
}
```

C:\Users\LENOVO\Documents\2nd semester\elECT\bin\Debug\el...

Logs & others

C:\C++ Windows (CR+LF) WINDOWS-1252 Line 39, Col 2, Pos 969 Overwrite Read/Write default

Activate Windows

Debug

Guess a number from (0 to 100): 66
Generated number is less than the number you entered,try again...

Guess a number from (0 to 100): 50
Generated number is greater than the number you entered,try again...

...

Guess a number from (0 to 100): 20
Generated number is greater than the number you entered,try again...

...

Guess a number from (0 to 100): 88
Generated number is less than the number you entered,try again...

...

Guess a number from (0 to 100): 45
Generated number is greater than the number you entered,try again...

...

Guess a number from (0 to 100): 20.7
Generated number is greater than the number you entered,try again...

...

Guess a number from (0 to 100): Generated number is greater than the number you entered,try again...

...

Maximum limit of attempt finished, BAD LUCK
process returned 0 (0x0) execution time : 127.831 s
press any key to continue.