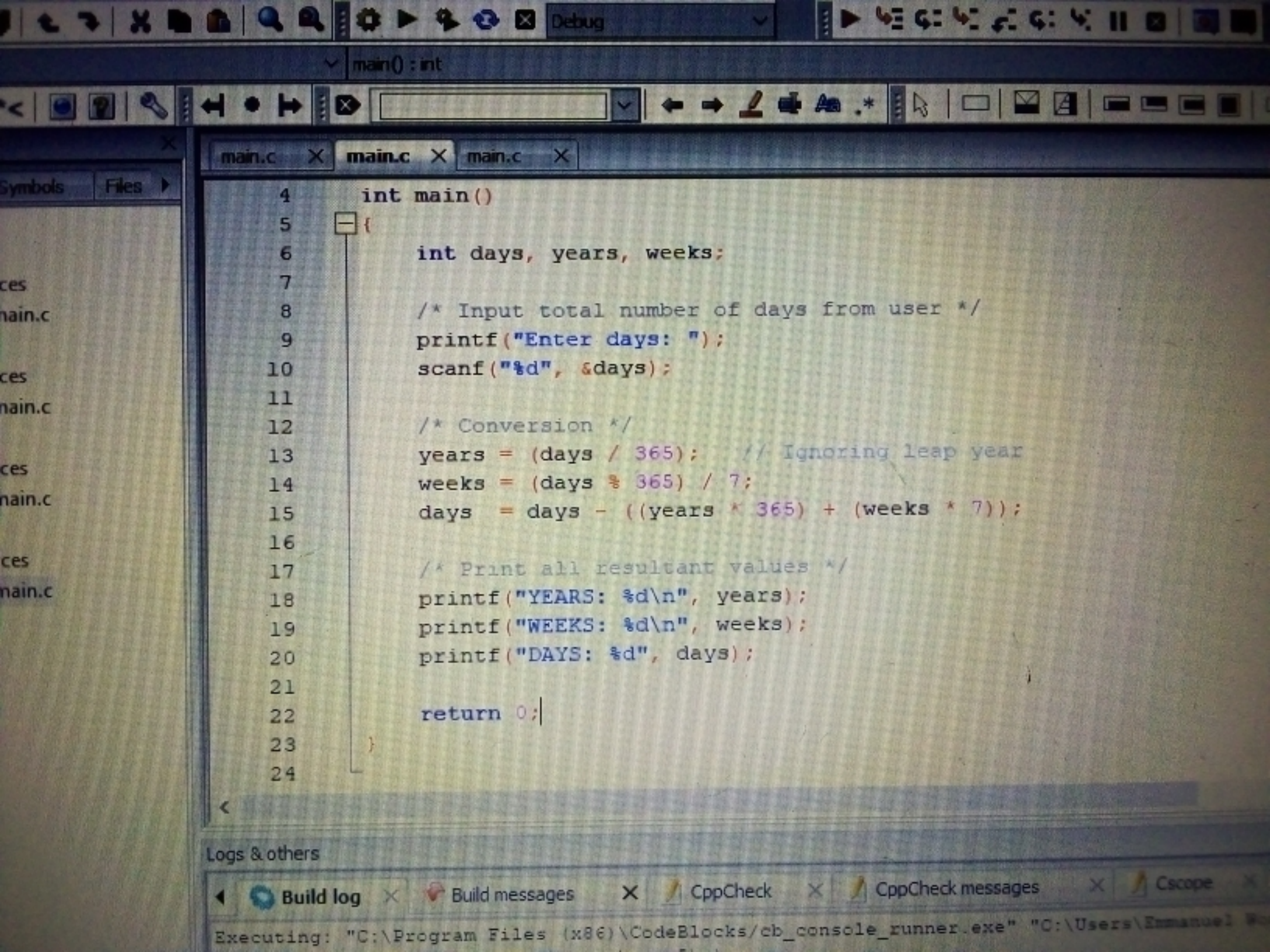
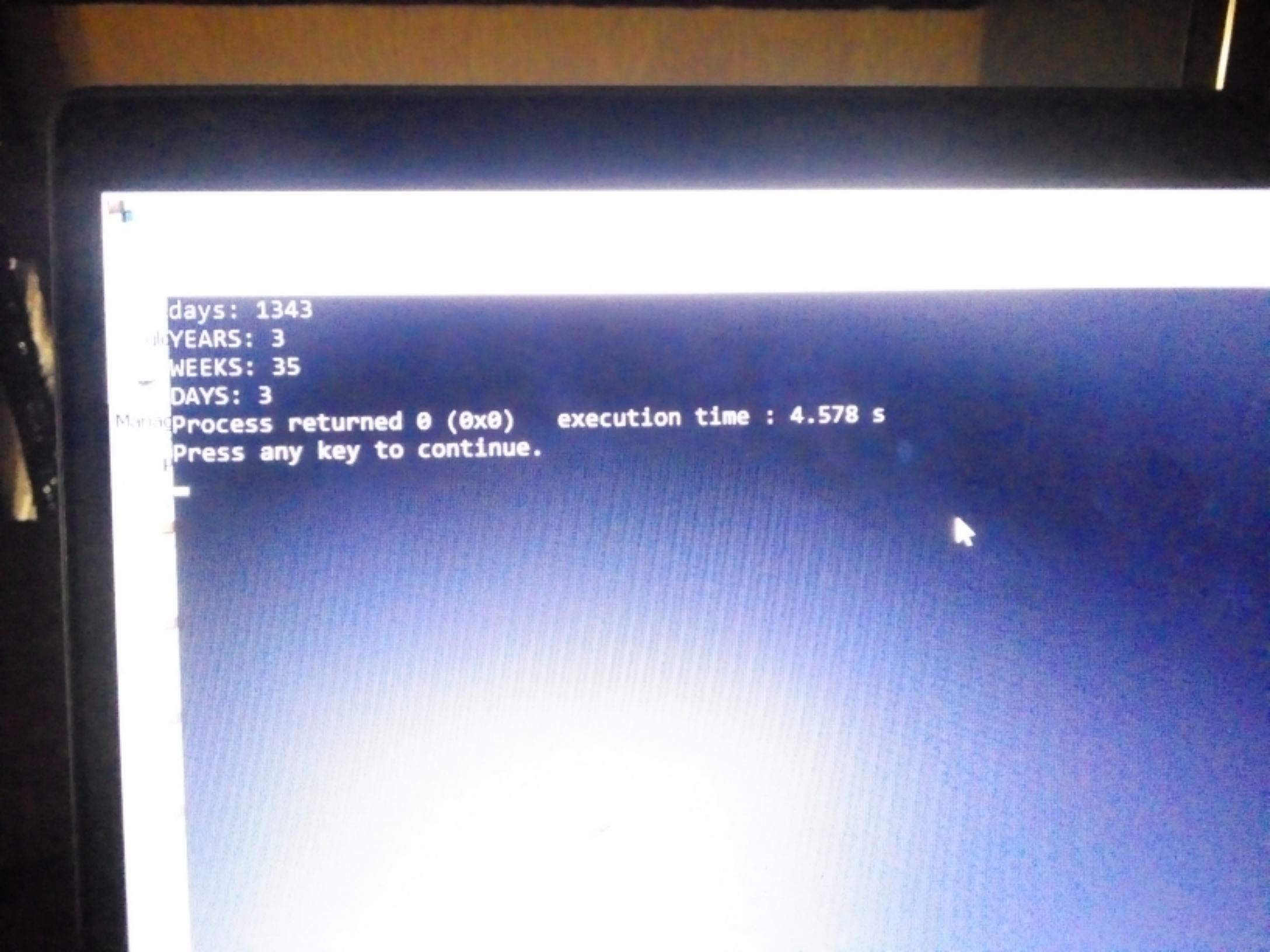


```c
int main()
{
    int days, years, weeks;

    /* Input total number of days from user */
    printf("Enter days: ");
    scanf("%d", &days);

    /* Conversion */
    years = (days / 365);    // Ignoring leap year
    weeks = (days % 365) / 7;
    days  = days - ((years * 365) + (weeks * 7));

    /* Print all resultant values */
    printf("YEARS: %d\n", years);
    printf("WEEKS: %d\n", weeks);
    printf("DAYS: %d", days);

    return 0;
}
```

Logs & others

Build log | Build messages | CppCheck | CppCheck messages | Cscope

Executing: "C:\Program Files (x86)\CodeBlocks/cb_console_runner.exe" "C:\Users\Emmanuel

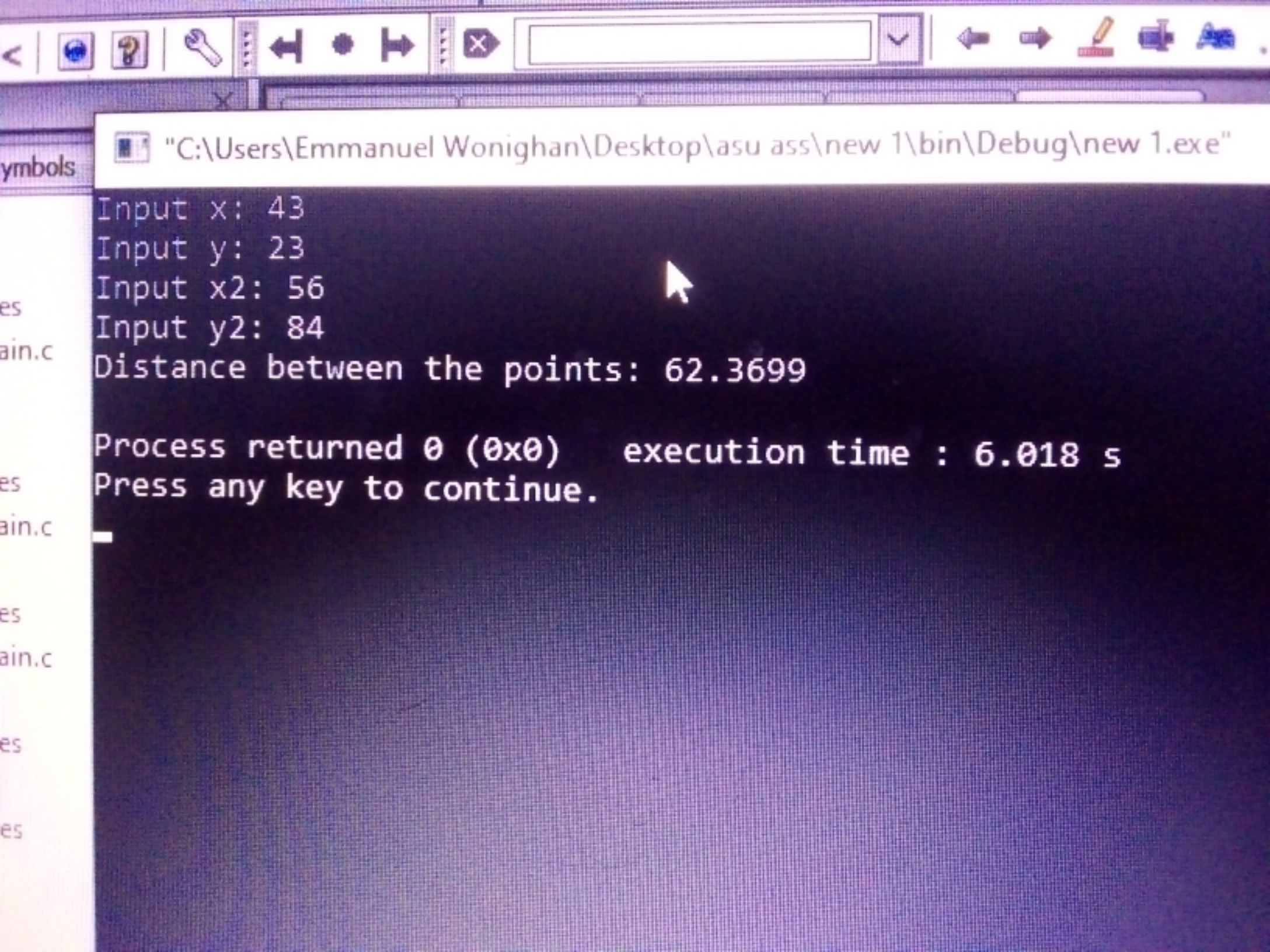

days: 1343
YEARS: 3
WEEKS: 35
DAYS: 3
Process returned 0 (0x0)   execution time : 4.578 s
Press any key to continue.

main.c

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

int main()
{
    float x, y, x2, y2, distance;
     printf("Input x: ");
     scanf("%f", &x);
     printf("Input y: ");
     scanf("%f", &y);
              printf("Input x2: ");
     scanf("%f", &x2);
     printf("Input y2: ");
     scanf("%f", &y2);
     distance = ((x2-x)*(x2-x))+((y2-y)*(y2-y));
     printf("Distance between the points: %.4f", sqrt(distance));
     printf("\n");
     return 0;
}
```

& others

Build log | Build messages | CppCheck | CppCheck messages | Cscope

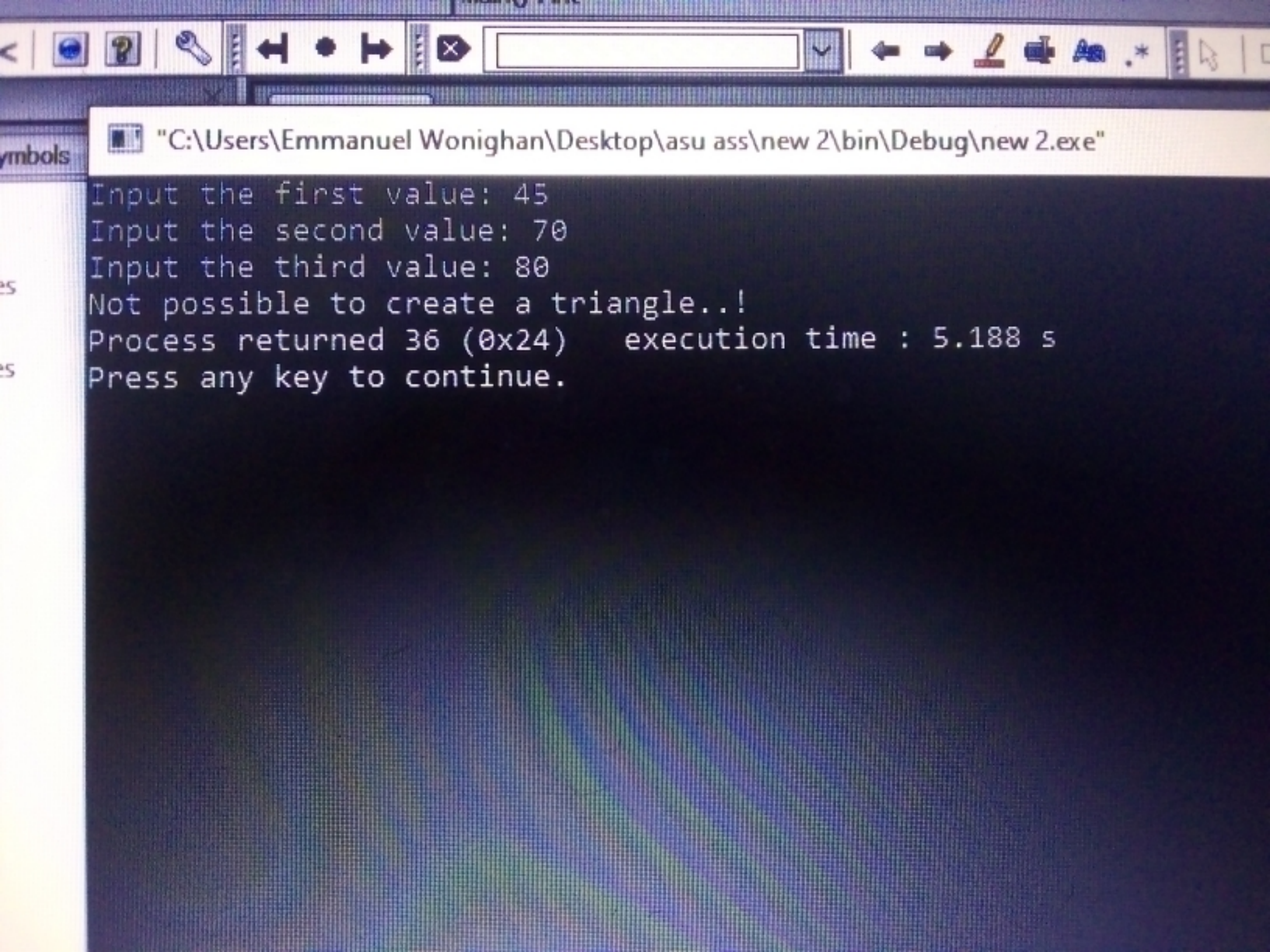

"C:\Users\Emmanuel Wonighan\Desktop\asu ass\new 1\bin\Debug\new 1.exe"
Input x: 43
Input y: 23
Input x2: 56
Input y2: 84
Distance between the points: 62.3699
Process returned 0 (0x0) execution time : 6.018 s
Press any key to continue.

*main.c

```c
int main()
{
    float  E, M, N, P, Z;
    printf("Input the first value: ");
    scanf("%f", &E);
    printf("Input the second value: ");
    scanf("%f", &M);
    printf("Input the third value: ");
    scanf("%f", &N);

    if(E < (M+N) && M < (E+P) && Z < (E+M))
     {
     P = E+M+N;
     printf("\nPerimeter  = %.1f\n", P);

     }
    else
    {
        printf("Not possible to create a triangle..!");
    }
}
```

Logs & others

Build messages


"C:\Users\Emmanuel Wonighan\Desktop\asu ass\new 2\bin\Debug\new 2.exe"
Input the first value: 45
Input the second value: 70
Input the third value: 80
Not possible to create a triangle..!
Process returned 36 (0x24)   execution time : 5.188 s
Press any key to continue.

```
Input the first value: 50
Input the second value: 23
Input the third value: 71

Perimeter  = 144.0

Process returned 20 (0x14)   execution time : 5.991 s
Press any key to continue.
```

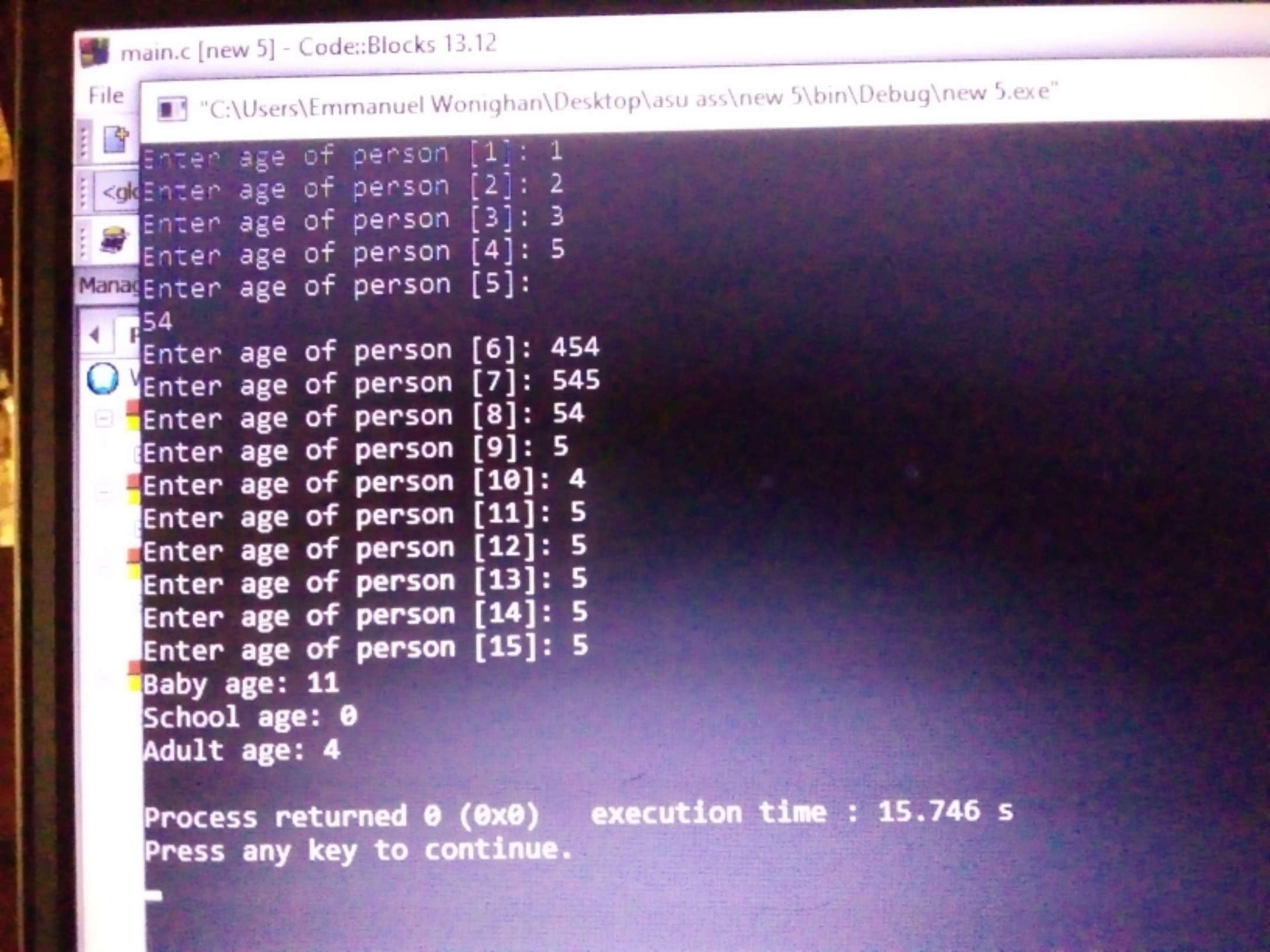
```c
int main()
{
    int age;
    int cnt_baby=0,cnt_school=0,cnt_adult=0;
    int count=0;

    while(count<15)
    {
        printf("Enter age of person [%d]: ",count+1);
        scanf("%d",&age);

        if(age>=0 && age<=5)
            cnt_baby++;
        else if(age>=6 && age<=17)
            cnt_school++;
        else
            cnt_adult++;

        //increase counter
        count++;
    }
```

main.c | main.c | main.c

```
12          printf("Enter age of person [%d]: ",count+1);
13          scanf("%d",&age);
14
15          if(age>=0 && age<=5)
16              cnt_baby++;
17          else if(age>=6 && age<=17)
18              cnt_school++;
19          else
20              cnt_adult++;
21
22          //increase counter
23          count++;
24      }
25
26      printf("Baby age: %d\n",cnt_baby);
27      printf("School age: %d\n",cnt_school);
28      printf("Adult age: %d\n",cnt_adult);
29
30      return 0;
31  }
32
```

Logs & others

Code::Blocks | Search results | Cccc | Build log | Build mes


main.c [new 5] - Code::Blocks 13.12
File
"C:\Users\Emmanuel Wonighan\Desktop\asu ass\new 5\bin\Debug\new 5.exe"
Enter age of person [1]: 1
Enter age of person [2]: 2
Enter age of person [3]: 3
Enter age of person [4]: 5
Enter age of person [5]:
54
Enter age of person [6]: 454
Enter age of person [7]: 545
Enter age of person [8]: 54
Enter age of person [9]: 5
Enter age of person [10]: 4
Enter age of person [11]: 5
Enter age of person [12]: 5
Enter age of person [13]: 5
Enter age of person [14]: 5
Enter age of person [15]: 5
Baby age: 11
School age: 0
Adult age: 4
Process returned 0 (0x0) execution time : 15.746 s
Press any key to continue.

main.c | main.c | *main.c

```c
int main()
{
    int random_genNo=0,count=0,num;
    int stime;
    long ltime;

    //initialise srand with current time, to get random number on every run
    ltime = time(NULL);
    stime = (unsigned) ltime/2;
    srand(stime);

    //generate random number
    random_genNo=rand()%1000;

    //run infinite loop
    while(1)
    {
        //increase counter
        count+=1;

        //read number from user
```

Build messages | CppCheck

main.c | *main.c

```
//generate random number
random_genNo=rand()%1000;

//run infinite loop
while(1)
{
    //increase counter
    count+=1;

    //read number from user
    printf("\n\nGuess a number from (0 to 1000): ");
    scanf("%d",&num);

    //compare entered number with generated number

    if(random_genNo==num){
        printf("Congratulations, you have guessed a correct number.");
        break;
    }
    else if(random_genNo<num){
        printf("Generated number is less than entered number, try your luck again...");
```

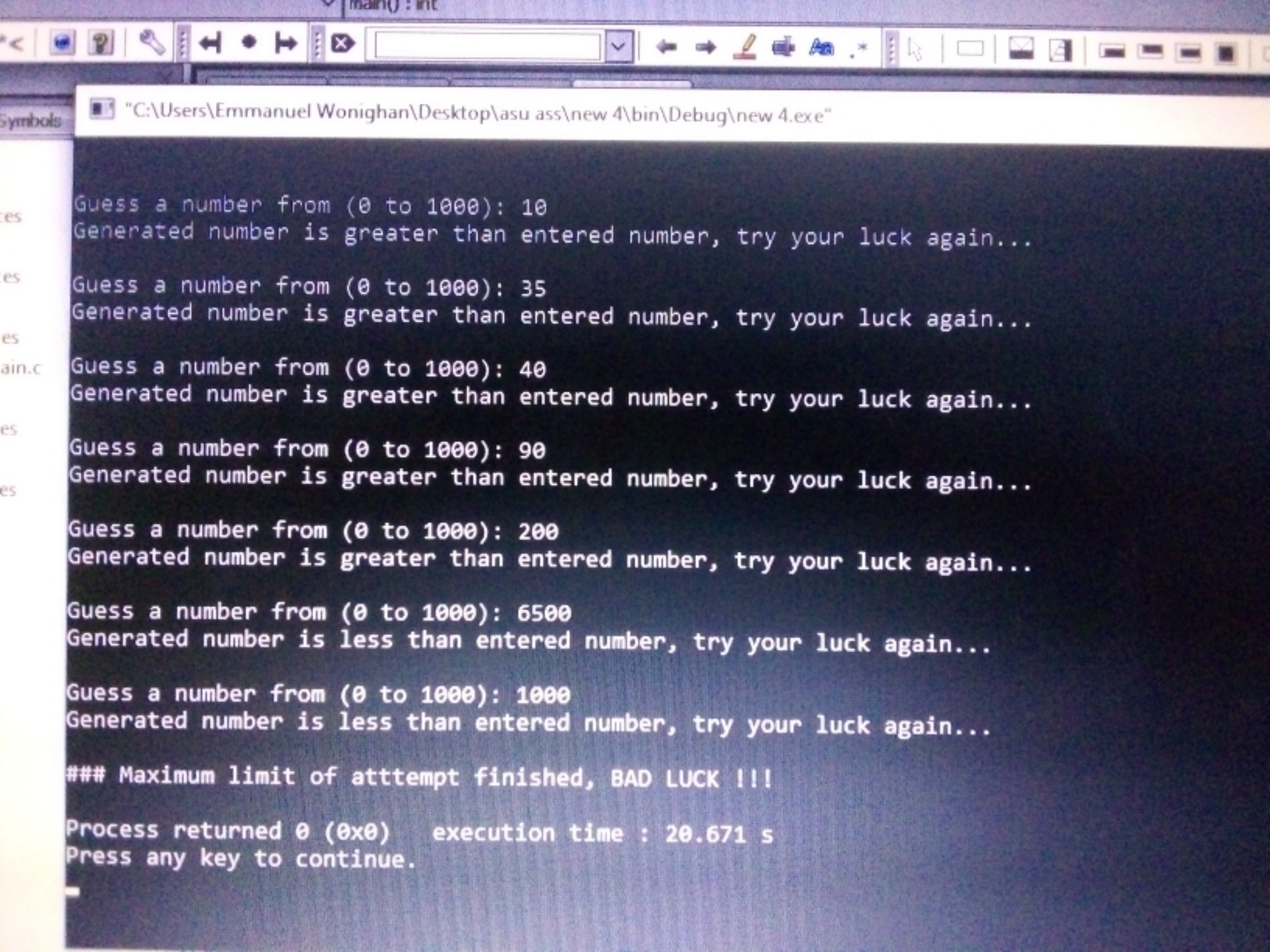
Search results | Cccc | Build log | Build messages | CppCheck | CppCheck message

```
Run: Debug in new 4 (compiler: GNU GCC Compiler)---------------
xistence: C:\Users\Emmanuel Wonighan\Desktop\asu ass\new 4\bin\Debug\new 4.exe
\Program Files (x86)\CodeBlocks/cb_console_runner.exe" "C:\Users\Emmanuel Wonighan\Desktop\asu ass\new
ghan\Desktop\asu ass\new 4\.)
```

```
    //compare entered number with generated number

    if(random_genNo==num){
        printf("Congratulations, you have guessed a correct number.");
        break;
    }
    else if(random_genNo<num){
        printf("Generated number is less than entered number, try your luck again...");
    }
    else if(random_genNo>num){
        printf("Generated number is greater than entered number, try your luck again...");
    }

    if(count==7){
        printf("\n\n### Maximum limit of atttempt finished, BAD LUCK !!!\n");
        break;
    }
}

}
```

Build log

--- Run: Debug in new 4 (compiler: GNU GCC Compiler)---


"C:\Users\Emmanuel Wonighan\Desktop\asu ass\new 4\bin\Debug\new 4.exe"
Guess a number from (0 to 1000): 10
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 1000): 35
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 1000): 40
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 1000): 90
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 1000): 200
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 1000): 6500
Generated number is less than entered number, try your luck again...
Guess a number from (0 to 1000): 1000
Generated number is less than entered number, try your luck again...
Maximum limit of atttempt finished, BAD LUCK !!!
Process returned 0 (0x0)   execution time : 20.671 s
Press any key to continue.