



Management

- Projects
- Symbols
- Files

workspace

- EFE ECHEREBOR C. 18/ENG05/014
- Sources
  - main.c

```
main.c x
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6      int days, years, weeks;
7
8      days =1343;
9
10     //Convert days to years, weeks and days
11     years = days/365;
12     weeks = (days % 365)/7;
13     days = days- ((years*365)+(weeks*7));
14
15     printf("Years: %d\n", years);
16     printf("Weeks: %d\n", weeks);
17     printf("Days: %d\n", days);
18     printf("Hello world!\n");
19     return 0;
20 }
21
```

"C:\Users\Dell\Desktop\Efe\014 MECHATRONICS\EF..."

```
Years: 3
Weeks: 35
Days: 3
Hello world!

Process returned 0 (0x0)   execution time : 0.062 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
- Coc

```
----- Run: Debug in EFE ECHEREBOR C. 18/ENG05/014 MECHATRONICS (compiler: GNU GCC Compiler)-----
Checking for existence. C:\Users\Dell\Desktop\Efe\014 MECHATRONICS\EFE ECHEREBOR C. 18\ENG05\bin\Debug\EFE ECHEREBOR C. 18\ENG05\014 MECH
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\Dell\Desktop\Efe\014 MECHATRONICS\EFE ECHEREBOR C. 18\ENG05\014 MECHATRONICS.exe" (in C:\Users\Dell\Desktop\Efe\014 MECHATRONICS\EFE ECHEREBOR C. 18\ENG05\.)
```

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6      float x1, y1, x2, y2, distance;
7      printf("input x1: ");
8      scanf("%f", &x1);
9      printf("input y1: ");
10     scanf("%f", &y1);
11     printf("input x2: ");
12     scanf("%f", &x2);
13     printf("input y2: ");
14     scanf("%f", &y2);
15     distance = ((x2-x1)*(x2-x1))+((y2-y1)*(y2-y1));
16     printf("distance between the said points: %.4f", sqrt(distance));
17     printf("\n");
18     printf("Hello world!\n");
19     return 0;
20 }
21
```

```
"C:\Users\Dell\Desktop\Ef...
input y1: 4
input x2: 5
input y2: 7
distance between the said points: 3.6056
Hello world!

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

```
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    if (x < (y+z) && y < (x+z) && z < (y+z))
14    {
15        P = x+y+z;
16        printf("\nperimeter = %1f\n", P);
17    }
18    else
19    {
20        printf("not possible to create a triangle..!\n");
21    }
22    return 0;
23 }
24
```

```
input the first number: 5
input the second number: 7
input the third number: 3
perimeter = 15.000000
Process returned 0 (0x0)   execution ti
me : 9.285 s
Press any key to continue.
```

main.c [ECHEREBOR EFE CHRISTIAN 18/ENG05/014 MECHATRONICS] - Code::Blocks 17.12

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

global> main() : int

Workspace  
ECHEREBOR EFE CHRISTIAN  
Sources  
main.c

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6      int age;
7      int cnt_baby,cnt_school=0,cnt_adult=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<=5)
14             cnt_baby++;
15         else if(age>=6 && age<=17)
16             cnt_school++;
17         else
18             cnt_adult++;
19         //increase counter
20         count++;
21     }
22     printf("baby age: %d\n" ,cnt_baby);
23     printf("school age: %d\n" ,cnt_school);
24     printf("adult age: %d\n" ,cnt_adult);
25     printf("Hello world!\n");
26     return 0;
27 }
```

```
"C:\Users\Dell\Desktop\Efe\014 MECHATRO...
enter age of person [1]: 12
enter age of person [2]: 13
enter age of person [3]: 49
enter age of person [4]: 21
enter age of person [5]: 32
enter age of person [6]: 64
enter age of person [7]: 39
enter age of person [8]: 2
enter age of person [9]: 1
enter age of person [10]: 3
enter age of person [11]: 4
enter age of person [12]: 90
enter age of person [13]: 92
enter age of person [14]: 14
enter age of person [15]: 78
baby age: 145
school age: 3
adult age: 8
Hello world!

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

Logs & others

```

6   int random_genNo=0,count=0,num;
7   int stime;
8   long ltime;
9   //initialise srand with current time, to get random number on every run
10  ltime = time(NULL);
11  stime = (unsigned) ltime/2;
12  srand(stime);
13  //generate random number
14  random_genNo=rand()%1000;
15  //run infinite loop
16  while(1)
17  {
18      //increase counter
19      count+=1;
20      //read number from user
21      printf("\n\nGuess a number from (0 to 1000): ");
22      scanf("%d",&num);
23      //compare entered number with generated number
24      if(random_genNo==num)
25      {
26          printf("Congratulations, you have guessed a correct number.");
27          break;
28      }
29      else if(random_genNo<num)
30      {
31          printf("Generated number is less than entered number, try again...");
32      }
33      else if(random_genNo>num)
34      {
35          printf("Generated number is greater than entered number, try again...");
36      }
37      if(count==7)
38      {
39          printf("\n\n### Limit of attempt finished, BAD LUCK !!!\n");
40          break;

```

Generated number is greater than entered number, try again...

Guess a number from (0 to 1000): 100  
Generated number is greater than entered number, try again...

Guess a number from (0 to 1000): 1234  
Generated number is less than entered number, try again.

Guess a number from (0 to 1000): 640  
Generated number is less than entered number, try again.

Guess a number from (0 to 1000): 207  
Generated number is greater than entered number, try again...

Guess a number from (0 to 1000): 38  
Generated number is greater than entered number, try again...

### Limit of attempt finished, BAD LUCK !!!  
Hello world!

Process returned 0 (0x0) execution time : 73.421 s  
Press any key to continue.