

**EGBE AMANDA OGHOSA**

**18/ENG08/005**

**BIOMEDICAL ENGINEERING**

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

[S] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plug  
Debug

main0 : int

```
C:\Users\amanda\Desktop\ABUAD\DAYS\bin\Debug\DAYS.exe  
Years:3  
Weeks:35  
Days:3  
Process returned 0 (0x0)   execution time : 0.251  
Press any key to continue.
```

main0 : int

main.c X

```

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

int main()
{
    float x1, y1, x2, y2, distance;
    printf("Input x1 value:");
    scanf("%f",&x1);
    printf("input y1 value:");
    scanf("%f",&y1);
    printf("input x2 value:");
    scanf("%f",&x2);
    printf("input y2 value:");
    scanf("%f",&y2);
    distance= ((x2-x1)*(x2-x1)+((y2-y1)*(y2-y1)));
    printf("Distance between the points is:%.4f",sqrt(distance));
    printf("\n\n");
    return 0;
}
    
```

IDE::Blocks X Search results X Cccc X Build log X Build messages X CppCheck/

C:\Program Files\Microsoft Visual Studio\VC98\Bin;C:\Program Files\Microsoft Visual Studio\Common\MSDev98\Bin;C:\Program Files\MATLAB\R2018a\runtime\win64;C:\Program Files\MATLAB\R2018a\bin;C:\Windows\WinNT;C:\Program Files (x86)\Microsoft Visual Studio\Local\Microsoft\WindowsApps;C:\Users\amanda\AppData\Local\Microsoft\WindowsApps;C:\Users\amanda\Desktop\AB

C/C++ Windows (CR+LF) WINDOWS-1252 Line 18, C



main() : int



- Files
- FS
- ace
- YS
- Sources
- main.c
- POINTS
- Sources
- main.c

```
C:\Users\amanda\Desktop\ABUAD\POINTS\bin\Debug\POINTS.exe
Input x1 value:56
input y1 value:75
input x2 value:22
input y2 value:45
Distance between the points is:45.3431

Process returned 0 (0x0)   execution time : 28.753 s
Press any key to continue.
_
```

main0 : int

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

```

5  {
6  float x,y,z,Perimeter,A;
7  printf("\nEnter the first number:");
8  scanf("%f",&x);
9  printf("\nEnter the second number:");
10 scanf("%f",&y);
11 printf("\nEnter the third number:");
12 scanf("%f",&z);
13 if (x<(y+z)&&y<(x+z)&&z<(y+x))
14 {
15     Perimeter=x+y+z;
16     printf("Triangle can be formed");
17     printf("\nPerimeter is=%.1f\n",Perimeter);
18 }
19 else
20 {
21     printf("It is not possible to create a triangle!");
22 }
23 }
24

```

others

Code::Blocks X Search results X Cccc X Build log X Build messages X CppChe

Line	Message
	=== Build: Debug in TRIANGLE (compiler: GNU GCC Compiler) ===
	In function 'main':
6	warning: unused variable 'A' [-Wunused-variable]
	=== Build finished: 0 error(s), 1 warning(s) (0 minute(s), 1 s
	=== Run: Debug in TRIANGLE (compiler: GNU GCC Compiler) ===

main.c

C/C++

Windows (CR+LF)

WINDOWS-1252

Line 2

Windows taskbar with icons for File Explorer, Mail, Edge, and other system utilities.

main0 : int

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

C:\Users\amanda\Desktop\ABUAD\TRIANGLE\bin\Debug\TRIANGLE.exe

```
nEnter the first number:5
nEnter the second number:7
nEnter the third number:3
Triangle can be formed
Perimeter is=15.0
```

```
Process returned 0 (0x0)   execution time : 4.996 s
Press any key to continue.
```

main0 : int

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

```

1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main ()
5  {
6      int age;
7      int baby_age_counter=0,
8      school_age_counter=0,
9      adult_age_counter=0;
10     int count=0;
11     while(count<20)
12     {
13         printf("Enter age of person [%d]:", count+1);
14         scanf("%d", &age);
15         if (age>=0 && age<=4)
16             baby_age_counter++;
17         else if (age>=5 && age<=17)
18             school_age_counter++;
19         else
20             adult_age_counter++;
21         count++;

```

.& others

Process terminated with status 0 (0 minute(s), 21 second(s))

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

Checking for existence: C:\Users\amanda\Desktop\ABUAD\AGE\bin\Debug\AGE.exe  
 PATH:.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlo  
 intel\TXE Components\TCS;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C  
 components\DAL;C:\Program Files (x86)\Intel\TXE Components\DAL;C:\Program Files\Int





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

```
9  adult_age_counter=0;
10  int count=0;
11  while(count<20)
12  {
13      printf("Enter age of person [%d]:", count+1);
14      scanf("%d", &age);
15      if (age>=0 && age<=4)
16          baby_age_counter++;
17      else if (age>=5 && age<=17)
18          school_age_counter++;
19      else
20          adult_age_counter++;
21      count++;
22  }
23  printf("Baby age is:%d\n", baby_age_counter);
24  printf("School age is:%d\n", school_age_counter);
25  printf("Adult age is:%d\n", adult_age_counter);
26  return 0;
27  }
28  }
```

logs &amp; others

Code::Blocks X Search results X Cccc X Build log X Build messages X

process terminated with status 0 (0 minute(s), 21 second(s))

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

checking for existence: C:\Users\amanda\Desktop\ABUAD\AGE\bin\Debug\AGE.exe  
set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Windows\System32;C:\Windows\System32\WindowsCommon\DAL;C:\Program Files (x86)\Intel\TXE Components\DAL;C:\Program Files

main0 : int



C:\Users\amanda\Desktop\ABUAD\AGE\bin\Debug\AGE.exe

```
Enter age of person [1]:2
Enter age of person [2]:8
Enter age of person [3]:10
Enter age of person [4]:12
Enter age of person [5]:15
Enter age of person [6]:16
Enter age of person [7]:18
Enter age of person [8]:20
Enter age of person [9]:21
Enter age of person [10]:24
Enter age of person [11]:25
Enter age of person [12]:30
Enter age of person [13]:32
Enter age of person [14]:35
Enter age of person [15]:20
Enter age of person [16]:40
Enter age of person [17]:44
Enter age of person [18]:45
Enter age of person [19]:50
Enter age of person [20]:56
```

Baby age is:1

School age is:5

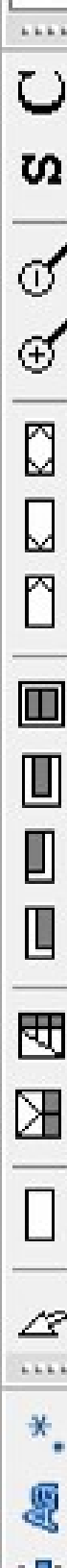
Adult age is:14

```
Process returned 0 (0x0)   execution time : 60.583 s
Press any key to continue.
```

\\Tools\WinNT\C:\Program Files (x86)\Microsoft Visual St  
(x86)\Microsoft Visual Studio\VC98\Bin;C:\Users\amanda\  
Executing: "C:\Program Files\CodeBlocks\cb\_console\_runn



Debug



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

```
#include <stdio.h>
#include <stdlib.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++;
        printf("\n\nGuess a number from (0 to 100:2)");
        scanf("%d", &num);
        if(random_genNo==num)
        {
            printf("Good job! You have guessed a correct
```

Blocks X

Search results X

Cccc X

Build log X

Build messages X

Line

Message

```
if(random_genNo==num)
{
    printf("Good job! You have guessed a correct number");
}
else if (random_genNo<num)
{
    printf("Random number generated is less than number entered, please try again...\n");
}
else if (random_genNo>num)
{
    printf("Random number generated is greater than number entered, please try again...\n");
}
if(count==7)
{
    printf("\n\nTrial limit exhausted,BETTER LUCK NEXT TIME!\n");
    break;
}
```

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

C:\Users\amanda\Desktop\ABUAD\RANDOM\bin\Debug\RANDOM.exe

```
ss a number from (0 to 100:2)45  
d job! You have guessed a correct number  
ss a number from (0 to 100:2)
```

Guess a number from (0 to 100:2)78

Random number generated is less than number entered, please try again...

Guess a number from (0 to 100:2)22

Random number generated is greater than number entered, please try again...

Guess a number from (0 to 100:2)33

Good job! You have guessed a correct number

Guess a number from (0 to 100:2)49

Random number generated is less than number entered, please try again...

Guess a number from (0 to 100:2)0

Random number generated is greater than number entered, please try again...

Guess a number from (0 to 100:2)12

Random number generated is greater than number entered, please try again...

Trial limit exhausted,BETTER LUCK NEXT TIME!

Process returned 0 (0x0) execution time : 35.284 s

Press any key to continue.