

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

Ugbechie Valentina  
Sources  
main.c

Years: 3  
weeks: 35  
Days: 3

Process returned 0 (0x0) execution time : 0.019 s  
Press any key to continue.

Logs & others

Debugger

----- Run: De  
Checking for existence  
Executing: "C:\Program

Ugbechie Valentina 10\ENG00\023.exe" (in

\*main.c [Ugbechie Valentina 18/ENG08/023 (2)] - Code::Blocks 17.12

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<global>

Management

Workspace

Ugbechie Valentina 18/ENC

Sources

main.c

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

Logs & others

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File	Line	Message
------	------	---------

```
Input x1: 54
Input y1: 90
Input x2: 32
Input y2: 67
7
Distance between the said points: 90.9340

Process returned 0 (0x0)   execution time : 8.382 s
Press any key to continue.
```

----- Run: Debug in Ugbechie Valentina 18/ENG08/023 (2) (compiler: GNU GCC Compiler)-----

\*main.c [Ugbechie Valentina 18/ENG08/023 (3)] - Code::Blocks 17.12

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Management

Projects Symbols Files

Workspace

Ugbechie Valentina 18/ENG08/023 (3)

Sources

main.c

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main() {
5     float x, y, z, P, A;
6     printf("\nInput the first number: ");
7     scanf("%f", &x);
8     printf("\nInput the second number: ");
9     scanf("%f", &y);
10    printf("\nInput the third number: ");
11    scanf("%f", &z);
12
13    if(x < (y+z) && y < (x+z) && z < (y+x))
14    {
15        P = x+y+z;
16        printf("\nPerimeter = %.1f\n", P);
17    }
18    else
19    {
20
21
```

Logs & others

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```
Input the first number: 5
Input the second number: 3
Input the third number: 7
Perimeter = 15.0
Process returned 0 (0x0)   execution time : 22.624 s
Press any key to continue.
```

----- Run: Debug in Ugbechie Valentina 19/ENG08/023 (3) (compiler: GNU GCC Compiler)-----

\*main.c [Ugbechie Valentina 18/ENG08/023 (4)] - Code::Blocks 17.12

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Debug

<global>

Management

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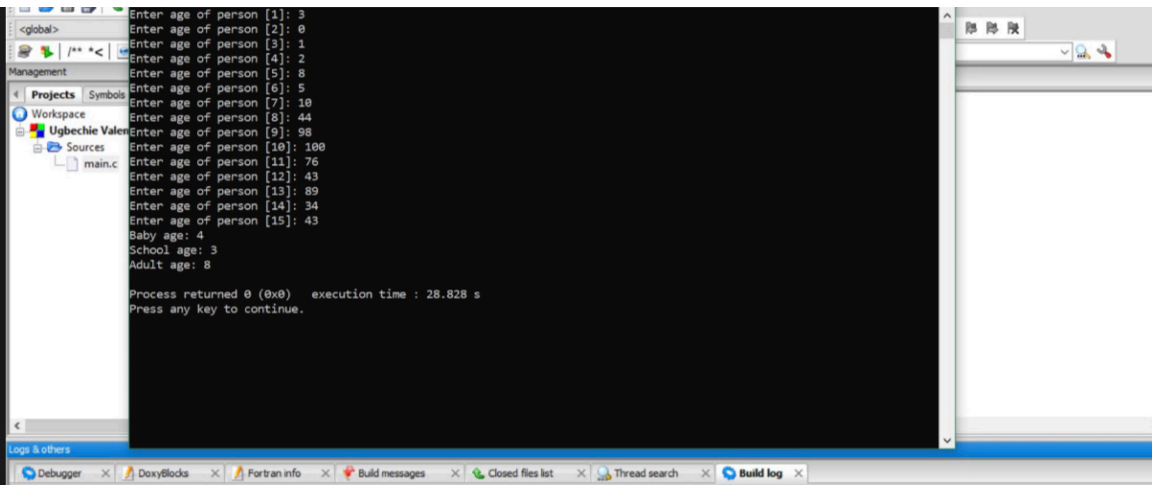
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main.c

\*main.c

```
5  |  |  
6  |  | int age;  
7  |  | int cnt_baby=0,cnt_school=0,cnt_adult=0;  
8  |  | int count=0;  
9  |  |  
10 |  | while(count<15)  
11 |  | {  
12 |  |     printf("Enter age of person [%d]: ",count+1);  
13 |  |     scanf("%d" ,&age);  
14 |  |  
15 |  |     if(age>=0 && age<=4)  
16 |  |         cnt_baby++;  
17 |  |     else if (age>=5 && age<=17)  
18 |  |         cnt_school++;  
19 |  |     else  
20 |  |         cnt_adult++;  
21 |  |     //increase counter  
22 |  |     count++;  
23 |  | }  
24 |  | printf("Baby age: %d\n",cnt_baby);  
25 |  | printf("School age: %d\n",cnt_school);  
26 |  | printf("Adult age: %d\n",cnt_adult);
```

Logs & others

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```
<global>
Enter age of person [1]: 3
Enter age of person [2]: 0
Enter age of person [3]: 1
Enter age of person [4]: 2
Enter age of person [5]: 8
Enter age of person [6]: 5
Enter age of person [7]: 10
Enter age of person [8]: 44
Enter age of person [9]: 98
Enter age of person [10]: 100
Enter age of person [11]: 76
Enter age of person [12]: 43
Enter age of person [13]: 89
Enter age of person [14]: 34
Enter age of person [15]: 43
Baby age: 4
School age: 3
Adult age: 8

Process returned 0 (0x0) execution time : 28.828 s
Press any key to continue.
```

----- Run: Debug in Ugbechie Valentina 18/ENG08/023 (4) (compiler: GNU GCC Compiler)-----



\*main.c [Ugbechie Valentina 18/ENG08/023 (5)] - Code::Blocks 17.12

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<global>

Management

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Workspace

Ugbechie Valentina 18/ENG08/023 (5)

Sources

main.c

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int random_genNo=0, count=0, num;
7     int stime;
8     long ltime;
9     // initialize 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() %100;
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 100):");
```

Logs & others

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\*main.c [Ugbechie Valentina 18/ENG08/023 (5)] - Code::Blocks 17.12

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/\*\* \*  
Workspace  
Ugbechie Valentina 18/ENG08/023 (5)  
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main.c

\*main.c

```
20 //read number from user  
21 printf("\n\nGuess a number from (0 to 100):");  
22 scanf("%d",&num);  
23 //Compare entered number with generated number  
24 if(random_genNo==num){  
25     printf("congratulations,you have guessed a correct valve.");  
26     break;  
27 }  
28 else if(random_genNo<num){  
29     printf("Generated number is less entered number, try again...");  
30 }  
31 else if (random_genNo>num){  
32     printf("Generated number is greater than entered number, try again ....");  
33 }  
34 if(count==7){  
35     printf("\n\n### Maximum limit of attempt finished, BAD LUCK !!!\n");  
36     break;  
37 }  
38 }  
39 return 0;  
40 }
```

Logs & others

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Guess a number from (0 to 100):67
Generated number is less entered number, try again...

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

Guess a number from (0 to 100):56
Generated number is less entered number, try again...

Guess a number from (0 to 100):23
Generated number is less entered number, try again...

Guess a number from (0 to 100):10
Generated number is less entered number, try again...

Guess a number from (0 to 100):1
Generated number is greater than entered number, try again ....

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

### Maximum limit of attempt finished, BAD LUCK !!!

Process returned 0 (0x0) execution time : 16.615 s
Press any key to continue.

----- Run: Debug in Ugbechie Valentina 18/ENG08/023 (5) (compiler: GNU GCC Compiler)-----
```