

```
main.c - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
main.c x main.c x
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <math.h>
4
5 int main()
6 {
7     /*program to convert 1343days into years, weeks and days*/
8     int num, year, week, day, rem_week;
9     num = 1343;
10    year = floor(num/365);
11    rem_week = num % 365;
12    week = floor(rem_week/7);
13    day = rem_week % 7;
14    printf("%d years, %d weeks and %d days", year, week, day);
15 }
16
```

C:\Users\tonia\Desktop\C programming\1343 days\main C/C++ Windows (CR-LF) WINDOWS-1252 Line 16, Col 1, Pos 377 Insert Read/Write default

```
main.c - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
main0: int
main.c x main.c x *main.c x
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <math.h>
4
5 int main()
6 {
7     /*program to find the distance between two points*/
8     double x1, x2, y1, y2, diff_x, diff_y, distance;
9     printf("enter x1: ");
10    scanf("%lf", &x1);
11
12    printf("enter x2: ");
13    scanf("%lf", &x2);
14
15    printf("enter y1: ");
16    scanf("%lf", &y1);
17
18    printf("enter y2: ");
19    scanf("%lf", &y2);
20
21    diff_x = pow(x2 - x1, 2.0000);
22    diff_y = pow(y2 - y1, 2.0000);
23    distance = sqrt(diff_x + diff_y);
24
25    printf("The distance between the two points is %lf", distance);
26
27
28
29
30
C:\Users\tonia\Desktop\C programming\distance_bt_2_C\C++ Windows (CR-LF) WINDOWS-1252 Line 17, Col 1, Pos 337 Insert Modified Read/Write default
```

```
main.c [possible_triangle_and_perimeter] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
main0: int
main.c x
1 #include <stdio.h>
2 #include <stdlib.h>
3 int main()
4 {
5     /*A triangle is valid if a + b > c, a + c > b and b + c > a*/
6     float a, b, c, P;
7     printf("first side of the triangle: ");
8     scanf("%f", &a);
9     printf("second side of the triangle: ");
10    scanf("%f", &b);
11    printf("third side of the triangle: ");
12    scanf("%f", &c);
13
14    if(a < (b+c) && b < (a+c) && c < (b+a))
15    {
16        printf("Triangle is valid");
17        P = a+b+c;
18        printf("\nPerimeter of the triangle is %f\n", P);
19    }
20    else
21    {
22        printf("Triangle is not valid");
23    }
24
25
26

```

```
main.c [Baby_School adult age] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global> main() : int
main.c x main.c x
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     /*program to enter 20 ages by user then show baby, adult and school age*/
7     int age, baby=0, school=0, adult=0, i=0;
8
9     while(i<20)
10    {
11        printf("Enter the ages of 20 people [%d]: ", i++);
12        scanf("%d",&age);
13
14        if(age>=0 && age<=4)
15            baby++;
16        else if(age>=5 && age<=17)
17            school++;
18        else
19            adult++;
20
21        i++;
22    }
23
24    printf("Still a baby age: %d\n", baby);
25    printf("Attending school age: %d\n", school);
26    printf("Adult life age: %d\n", adult);
27
28    return 0;
29 }
30
C:\Users\tonia\Desktop\C programming\Baby_School_ac\C\C++ Windows (CR-LF) WINDOWS-1252 Line 12, Col 26, Pos 275 Insert Read/Write default
```

```
*main.c - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global> main() : int
main.c x main.c x main.c x main.c x *main.c x
1 #include <stdlib.h>
2 #include <stdio.h>
3 #include <time.h>
4
5 #define lower 0
6 #define upper 100
7
8 int main()
9 {
10    int number, guess;
11
12    srand( time( 0 ) );
13    number = lower + rand() % (upper - lower + 1);
14
15    printf( "Guess the number between %d and %d, you have seven attempts: ", lower, upper );
16
17    while( scanf( "%d", &guess ) == 1 )
18    {
19        if( number == guess )
20        {
21            printf( "You guessed correctly!\n" );
22            break;
23        }
24        printf( "Your guess was too %s.\nTry again: ", number < guess ? "high" : "low" );
25    }
26
27    return 0;
28 }
29
```