

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4
5 int main()
6 {
7     int days, years, weeks;
8
9     days= 1343;
10
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
19     return 0;
20 }
21
22 //NAME: Victor Okolo
23 //Matric Number:18/ENGG02/076
24 //Computer Engineering
25
```

```
Years: 3
Weeks: 35
Days: 3

Process returned 0 (0x0)   execution time : 0.039 s
Press any key to continue.
```

Taskbar and console output:

Taskbar: Code::Blocks, Search results, Cocc, Build log, Build messages, CppCheck/Ver++ (multiple), Cscope, Debug Console.

Console Output:

```
----- Run: Debug in C assignment (compiler: GNU GCC Compiler)-----
Checking for existence: C:\Users\Victor Okolo\Desktop\C assignment\bin\Debug\C assignment.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\Victor Okolo\Desktop\C assignment\bin\Debug\C assignment.exe" (in C:\Users\Victor Okolo\Desktop\C assignment\.)
```

System tray: C/C++, Windows (CR+LF), WINDOWS-1252, Line 9, Col 15, Pos 105, Insert

```
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
14    if(x < (y+z) && y < (x+z) && z < (y+x))
15    {
16        P = x+y+z;
17        printf("Triangle can be formed");
18        printf("\nPerimeter = %.1f\n", P);
19    }
20
21    else
22    {
23        printf("Not possible to create a triangle..!");
24    }
25 }
26 //Name:Victor Okolo
27 //Matric Number:15/0202/076
28 //Computer Engineering
```

Input the first number: 5

Input the second number: 3

Input the third number: 7

Triangle can be formed

Perimeter = 15.0

Process returned 0 (0x0) execution time : 4.301 s

Press any key to continue.

main.c x

```
8   int age;
9   int cnt_baby=0, cnt_school=0, cnt_adult=0;
10  int count=0;
11
12  while(count<20)
13  {
14      printf("Enter person's age [%d]: ", count+1);
15      scanf("%d", &age);
16
17      if(age>=0 && age<=4)
18          cnt_baby++;
19      else if(age>=5 && age<=17)
20          cnt_school++;
21      else
22          cnt_adult++;
23
24      count++;
25  }
26
27  printf("Still a baby: %d\n", cnt_baby);
28  printf("Still in School: %d\n", cnt_school);
29  printf("Adult life: %d\n", cnt_adult);
30
31  return 0;
32
33
34
```

```
Enter person's age [1]: 0
Enter person's age [2]: 1
Enter person's age [3]: 2
Enter person's age [4]: 3
Enter person's age [5]: 4
Enter person's age [6]: 4
Enter person's age [7]: 5
Enter person's age [8]: 55
Enter person's age [9]: 57
Enter person's age [10]: 11
Enter person's age [11]: 12
Enter person's age [12]: 34
Enter person's age [13]: 18
Enter person's age [14]: 17
Enter person's age [15]: 9
Enter person's age [16]: 25
Enter person's age [17]: 31
Enter person's age [18]: 20
Enter person's age [19]: 10
Enter person's age [20]: 10
Still a baby: 6
Still in School: 7
Adult life: 7
Process returned 0 (0x0)   execution time : 35.010 s
Press any key to continue.
```

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6
7
8  int age;
9  int cnt_baby=0, cnt_school=0, cnt_adult=0;
10 int count=0;
11
12 while(count<20)
13 {
14     printf("Enter person's age [%d]: ", count+1);
15     scanf("%d", &age);
16
17     if(age>=0 && age<=4)
18         cnt_baby++;
19     else if(age>=5 && age<=17)
20         cnt_school++;
21     else
22         cnt_adult++;
23
24
25     count++;
26 }
27
```

```
1
2 #include <stdio.h>
3 #include <stdlib.h>
4 #include <time.h>
5
6
7 int main()
8 {
9     int random_genNo=0, count=0, num;
10    int stime;
11    long ltime;
12
13    ltime = time(NULL);
14    stime = (unsigned) ltime/2;
15    srand(stime);
16
17
18    random_genNo=rand()%100;
19
20
21    while(1)
22    {
23
24        count++;
25
26
27        printf("\n\nGuess a number from (0 to 100): ");
28        scanf("%d", &num);
29
30        if(random_genNo==num){
31            printf("Congratulations, you have guessed the correct number.");
32            break;
33        }
34        else if(random_genNo<num){
35            printf("Generated number is less than the number you entered, try again...");
36        }
37        else if(random_genNo>num){
38            printf("Generated number is greater than the number you entered, try again...");
39        }
40
41        if(count==7){
42            printf("\n\n### You have exhausted your attempts, BAD LUCK !!!\n");
43            break;
44        }
45    }
46
47    return 0;
48 }
49 //Name:Victor Okolo
50 //Matric Number:10/ENG02/076
51 //Computer Engineering
52
```