

C-LOCKDOWN ASSIGNMENT.c - Code::Blocks 17.12

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Start here X C-LOCKDOWN ASSIGNMENT.c X c-LOCKDOWN ASSIGNMENT2.c X *C-LOCKDOWN ASSIGNMENT3.c X *C-LOCKDOWN ASSIGNMENT4.c X C-LOCKDOWN ASSIGNMENTS

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

Select "C:\Users\JEOMA\Documents\C-LOCKDOWN ASSIGNMENT.exe"

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

Process returned 0 (0x0)   execution time : 0.015 s
Press any key to continue.
```

LOCKDOWN ASSIGNMENT2.c - Code::Blocks 17.12

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

"C:\Users\JEOMA\Documents\c-LOCKDOWN ASSIGNMENT2

```
Enter x1:
8
Enter x2:
4
Enter y1:
6
Enter y2:
7
```


LOCKDOWN ASSIGNMENT4.c - Code::Blocks 17.12

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here X C-LOCKDOWN ASSIGNMENT.c X c-LOCKDOWN ASSIGNMENT2.c X *C-LOCKDOWN ASSIGNMENT3.c X *C-LOCKDOWN ASSIGNMENT4.c X C-LOCKDOWN ASSIGNMENT

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int age;
7     int countbaby=0;
8     int countschool=0;
9     int countadult=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            countbaby++;
17        else if(age>4&& age<=17)
18            countschool++;
19        else
20            countadult++;
21        count++;
22    }
23    printf("Baby age= %d\n", countbaby);
24    printf("School age=%d\n", countschool);
25    printf("Adult age=%d\n", countadult);
26    return 0;
27 }
28
```

```
"C:\Users\JEOMA\Documents\C-LOCKDOWN ASSIGNMENT4.exe"
Enter age of person[1]:4
Enter age of person[2]:3
Enter age of person[3]:6
Enter age of person[4]:7
Enter age of person[5]:8
Enter age of person[6]:6
Enter age of person[7]:9
Enter age of person[8]:2
Enter age of person[9]:3
Enter age of person[10]:1
Enter age of person[11]:18
Enter age of person[12]:21
Enter age of person[13]:97
Enter age of person[14]:45
Enter age of person[15]:16
Enter age of person[16]:14
Enter age of person[17]:16
Enter age of person[18]:78
Enter age of person[19]:32
Enter age of person[20]:3
Baby age= 6
School age=8
Adult age=6
Process returned 0 (0x0)   execution time : 62.101 s
Press any key to continue.
```

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C-LOCKDOWN ASSIGNMENT3.c - Code::Blocks 17.12

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C-LOCKDOWN ASSIGNMENT.c X C-LOCKDOWN ASSIGNMENT2.c X

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

int main()
{
float A, B, C, Perimeter;
printf("Enter the first side:");
scanf("%f",&A);
printf("Enter the second side:");
scanf("%f",&B);
printf("Enter the third side:");
scanf("%f",&C);
if((B+C)>A &&(A+C)>B &&(B+A)>C)
{
Perimeter= A+B+C;
printf("The perimeter is %.2f",Perimeter);
}
else
{
printf("Values cannot make a triangle!");
}
return 0;
}
```

"C:\Users\JEOMA\Documents\C-LOCKDOWN ASSIGNMENT3.exe"
Enter the first side:3
Enter the second side:5
Enter the third side:7
The perimeter is 15.00
Process returned 0 (0x0) execution time : 40.225 s
Press any key to continue.


```
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     ltime= time(NULL);
10    stime=(unsigned) ltime/2;
11    srand(stime);
12    random_genNo=rand()%100;
13    while(1)
14    {
15        count+=1;
16        printf("\n\nGuess a number from (1 to 100):");
17        scanf("%d", &num);
18        if(random_genNo==num)
19        {
20            printf("Congratulations, you have guessed the correct number.");
21            break;
22        }
23        else if (num>random_genNo)
24        {
25            printf("The number you entered is greater than the generated number.");
26        }
27        else if (num<random_genNo)
28        {
29            printf("The number entered is less than the generated number.");
30        }
31        if (count==6)
32        {
33            printf("\n\nYou have one more attempt.");
34        }
35        if (count==7)
36        {
37            printf("\n\n###You have exhausted all your attempts, better luck next time");
38            break;
39        }
40    }
41    printf("\n\nThe random generated number was:%d", random_genNo);
```

"C:\Users\UEOMA\Documents\C-LOCKDOWN ASSIGNMENT5.exe"

Guess a number from 0 to 100:89
Congratulations, you have guessed the correct number.

The random generated number was:89
Process returned 0 (0x0) execution time : 4.878 s
Press any key to continue.