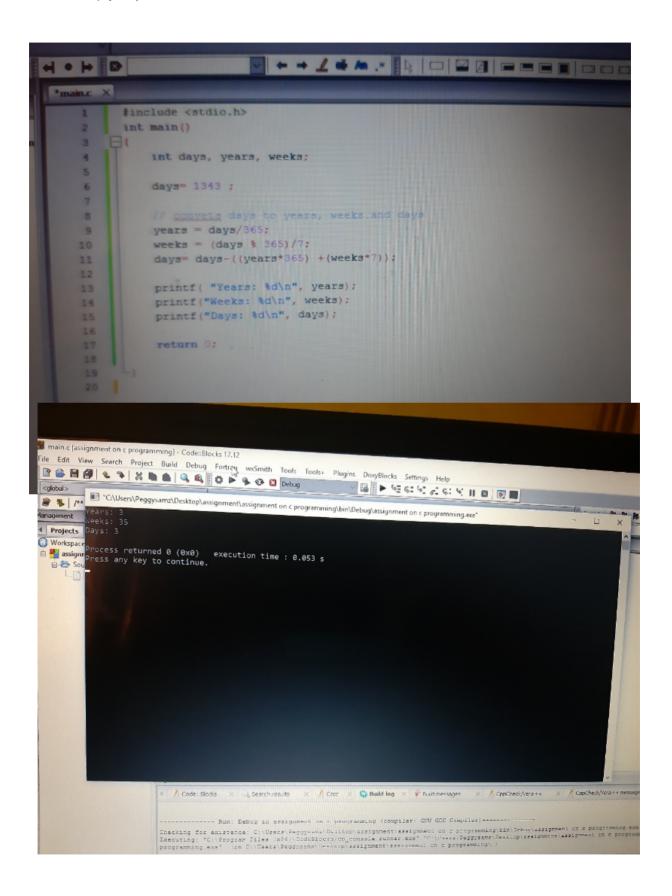
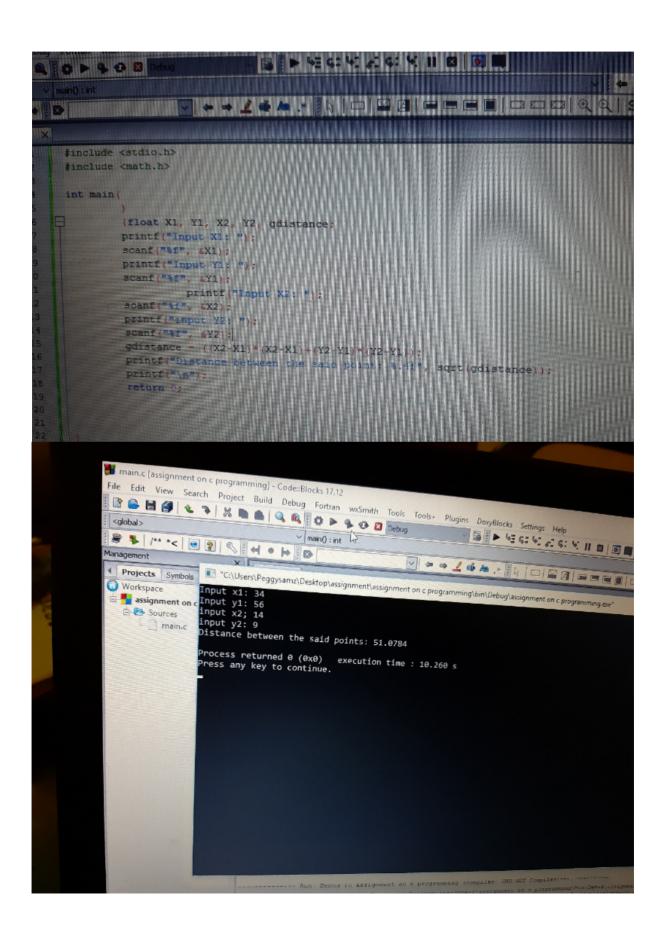
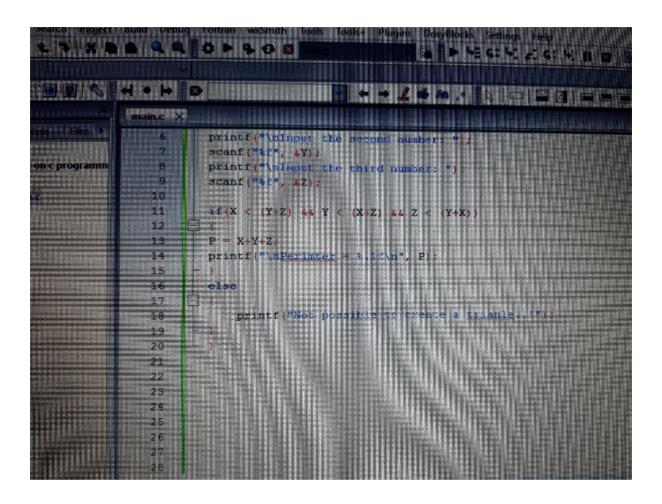
1. Write a C program to convert 1343 days into years, weeks and days(NoTE: Ignore leap year)

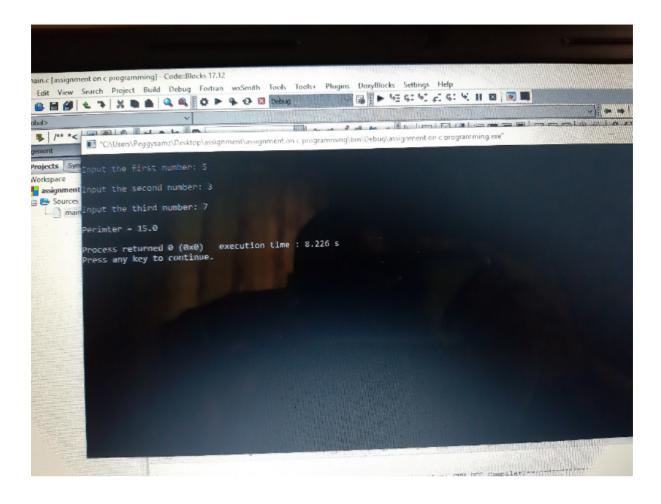


2.Write a C program to calculate the distance between the two points Note: x1 y1 x2 y2are all double values



3. Write a c program that reads three floating values and check if it is possible to make a triangle with them. Also calculate the perimeter of the triangle if the disk values are valid.





4	4. Write a C program to rea	ad age of 20 people and	d count total Baby ag	e, School

```
6 C A I O P S G B
THE HER
                                                       #include <stdio.h>
                               mint main() [
                                int age:
                                int cnt_baby=0, cnt_school=0, cnt adult==0;
int count=0;
while (count<?0)

printf("Entex_age of parson [&d]: ", count+1);
acanf("bd", 4age);

if(age>=) && age<=0;
cnt_baby++;
else if (age>=) && age<=0;
cnt_achool++;

slse
    cnt_adult=+;

count==;

printf "baiv(ade; baby);
printf "Solool age::adult, cnt_achool);
printf "Adult age: baby);
printf "Adult age: baby);</pre>
                   10
                   12
                  13
                  14
                   15
                  16
                  17
                  1.6
                 20
                  21
```

```
Enter age of person [3]: 0
Enter age of person [3]: 1
Enter age of person [3]: 2
Enter age of person [6]: 43
Enter age of person [6]: 47
Enter age of person [6]: 43
Enter age of person [7]: 45
Enter age of person [9]: 78
Enter age of person [13]: 53
Enter age of person [13]: 53
Enter age of person [13]: 59
Enter age of person [19]: 78
Enter age of person [19]: 78
Enter age of person [19]: 78
Enter age of person [19]: 23
Enter age of person [19]: 24
Enter age of person [19]: 25
Enter age of person [19]: 27
Enter age of person [19]: 28
E
```

5.write a c program to read a random number and then ask user to guess it from (0 to 100)

```
#include <stdio.h>
 2
       #include <stdlib.h>
 3
       #include <time.h>
 4
       int main()
 5
 6
            int random_genNo=0, count=0, num;
 7
            int stime;
8
            long ltime;
 9
             //initialise srand with current time, to get random number on every run
10
11
             ltime = time(NULL);
             stime=(unsigned) ltime/2;
12
             srand (stime);
13
14
             // generate random number
15
16
             random_genNo=rand()%100;
17
             //run infinite loop
18
             while (1)
19
20
21
               //increase counter
22
               count+=1;
               //read number from user
23
              printf("\n\nGuess a number from (0 to 100): ");
24
               scanf("%d" ,&num);
25
26
               //compare entered number with generated number
27
               if(random genNo==num){
28
                   printf("congratulations, you have guessed a correct number.");
29
                   break;
30
31
               else if(random_genNo<num){</pre>
```

```
32
                     printf("Generated number is less than entered number, try your luck again...");
33
                else if(random_genNo>num){
    printf("Generated number is greater than entered number, try your luck again...");
34
35
36
37
                     printf("\n\n### maximum limit of attempt finished, BAD LUCK !!!\n");
38
39
                     break;
40
41
             }
42
43
             return 0;
44
45
46
47
```

Guess a number from (0 to 100): 34
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 98
Generated number is less than entered number, try your luck again...
Guess a number from (0 to 100): 86
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 60
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 56
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 45
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 56
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 56
Generated number is greater than entered number, try your luck again...
Sub maximum limit of attempt finished, BAD LUCK !!!

Process returned 0 (0x0) execution time : 39,795 s
Press may key to continue.