NAME: MIRACLE RAY-ELEWA

MAT NO: 19/ENG05/072

**DEPT: MECHATRONICS** 

COURSE CODE: ENG 224

QUESTIONS:

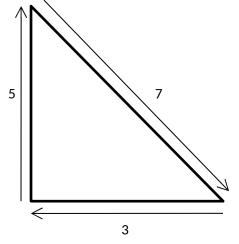
1. Write a C program to convert 1343 days into years, weeks and days (Note: Ignore leap year).

2. Write a C program to calculate the distance between the two points. Note: x1, y1, x2, y2 are all double values.

Formula:

$$\sqrt{(X2 - X1)^2 + (Y2 - Y1)^2}$$

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 said values are valid.



4. Write a C program to read age of 20 people and count total Baby age, School age and Adult age.

Hint:

a) Still a baby- age 0 to 4

b) Attending school - age 5 to 17

c) Adult life-age 18 & over

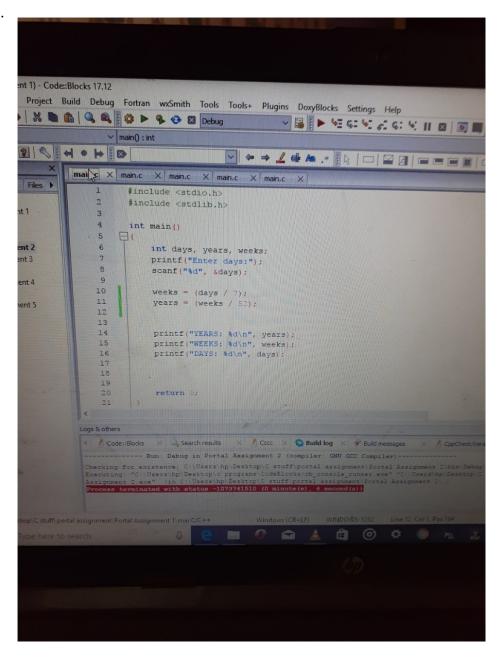
[Using while loop]

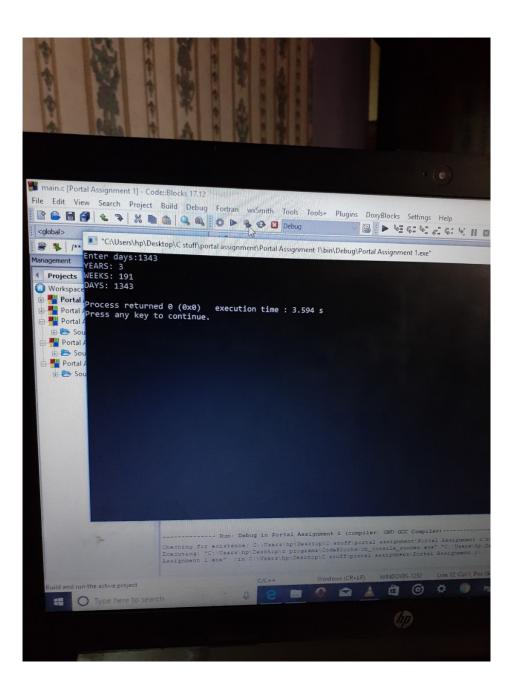
5. Write a C-program to read a random number and then ask user to guess it (from 0 to 100).

Hint:

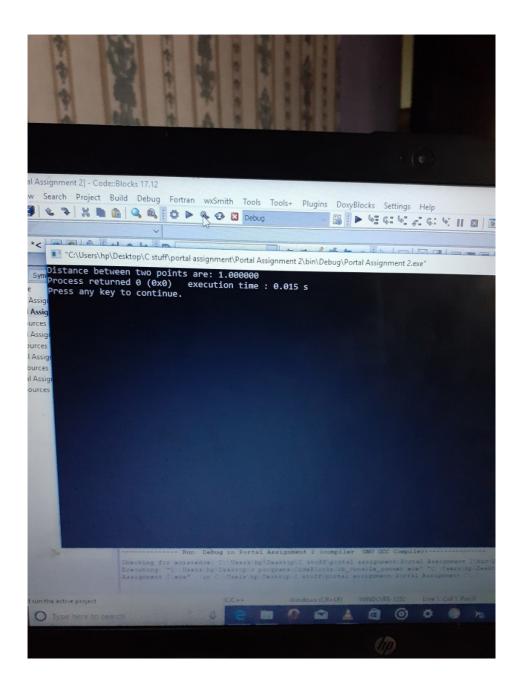
User guesses correct number, which is to be generated randomly. The program will give 7 attempts to the user. On each attempt, program will inform the user that entered number is less than or greater than the random generated number.

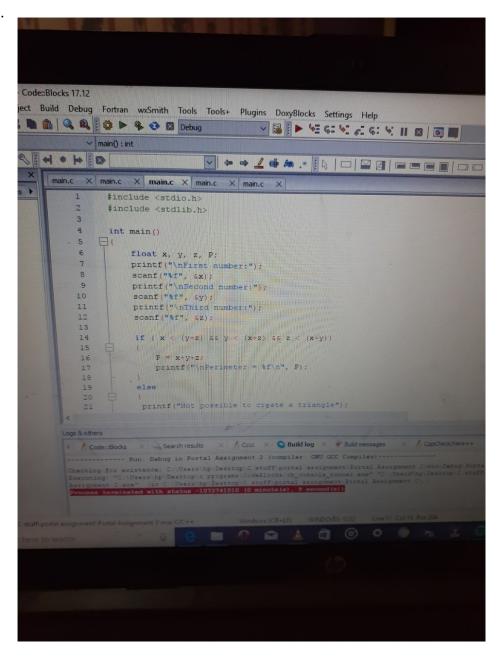
ANSWERS:

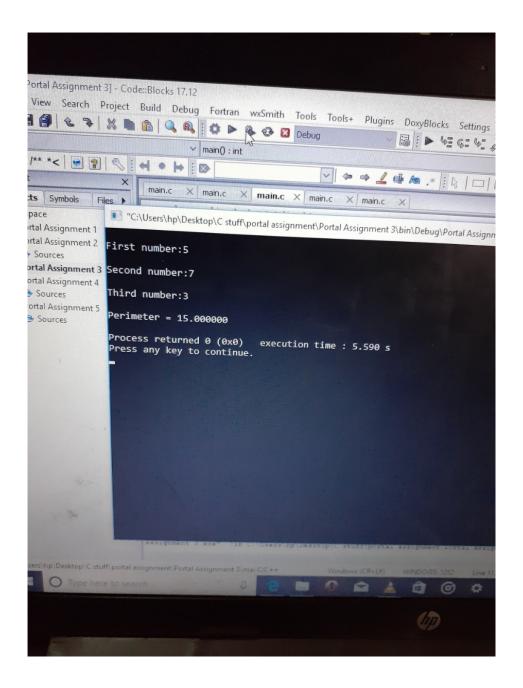


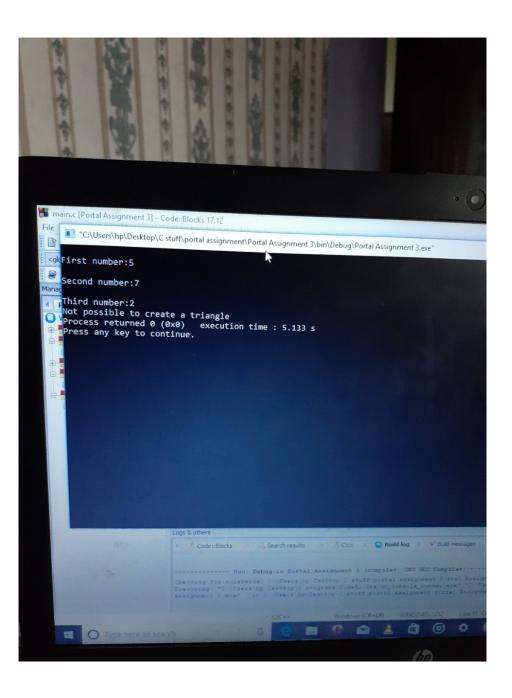


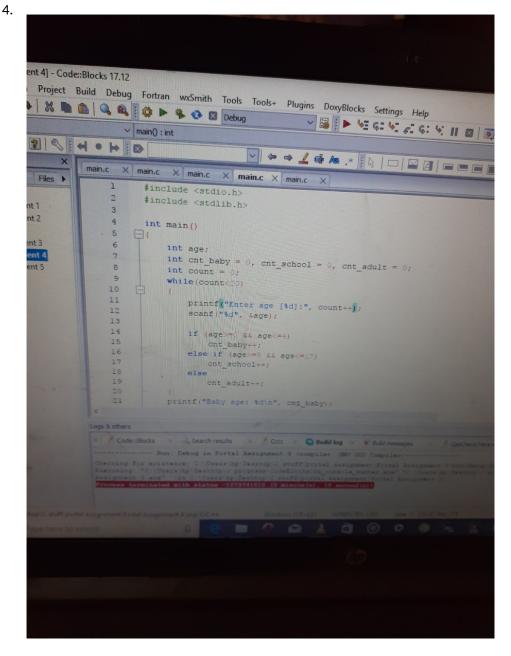
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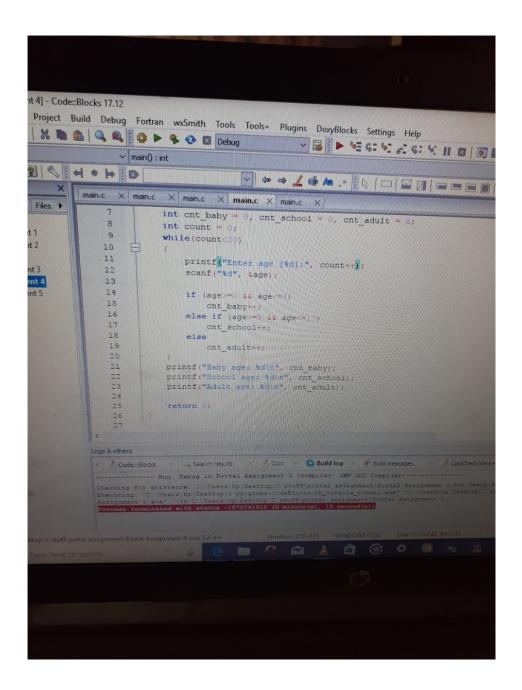












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nment 5] - Code	
rch Project	
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Files >	1 #include <stdio.h> 2 #include <stdlib.h></stdlib.h></stdio.h>
ent 1	3
ent 2	4 int main()
	5 <b>F</b> (
ent 3	6 int random_genNo=0, count=0, num; 7 int stime;
ent 4	8 long ltime;
iene s	9
	10 Itime = time (NULL);
	<pre>11 stime = (unsigned) ltime/l; 12 srand(stime);</pre>
	13
	14 random_genNo = rand()%100;
	15 16 while(1)
	18 count++;
	<pre>19 printf("\nGuess a number from 0 to 100:"); 20 scanf("%d", inum);</pre>
	20 scanf("%d", %num); 21
	Logs & others
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