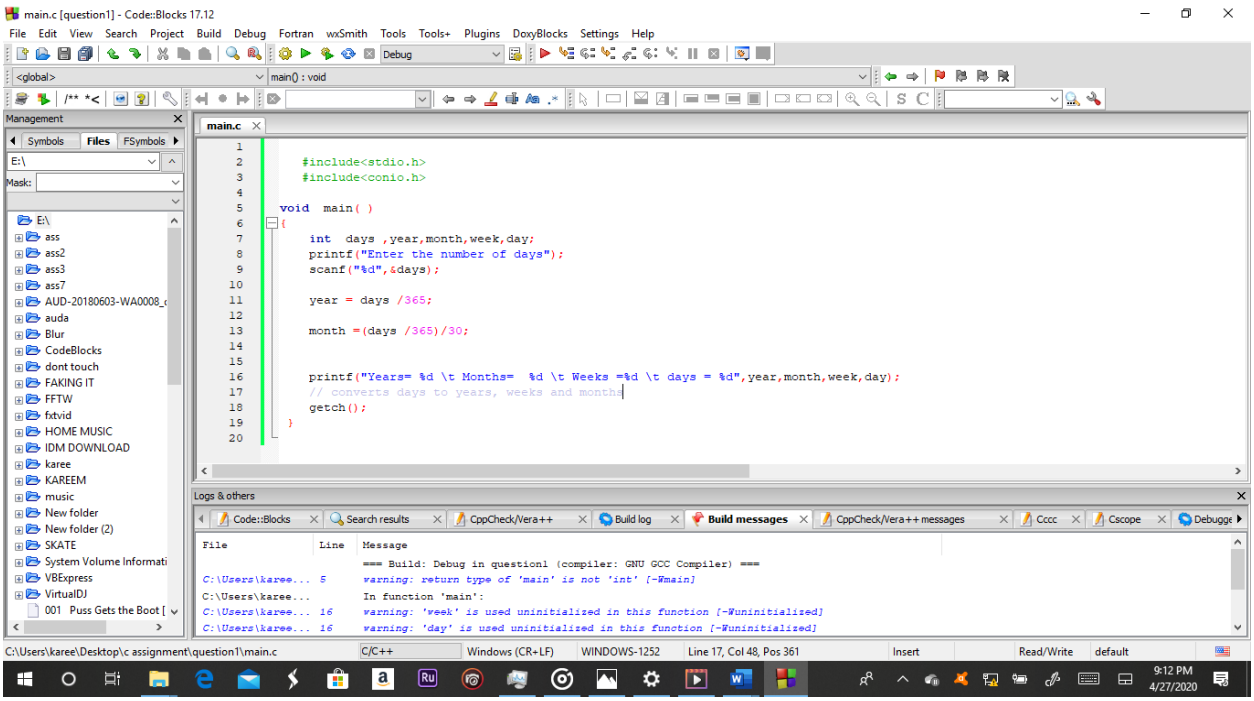
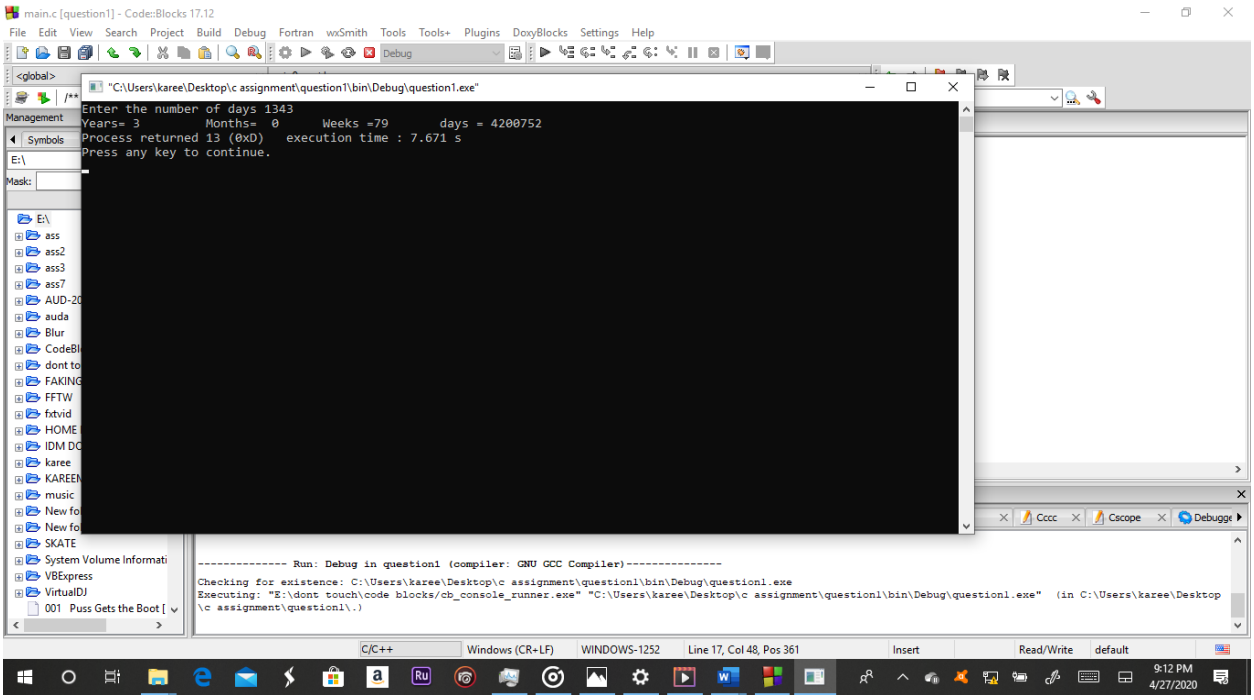
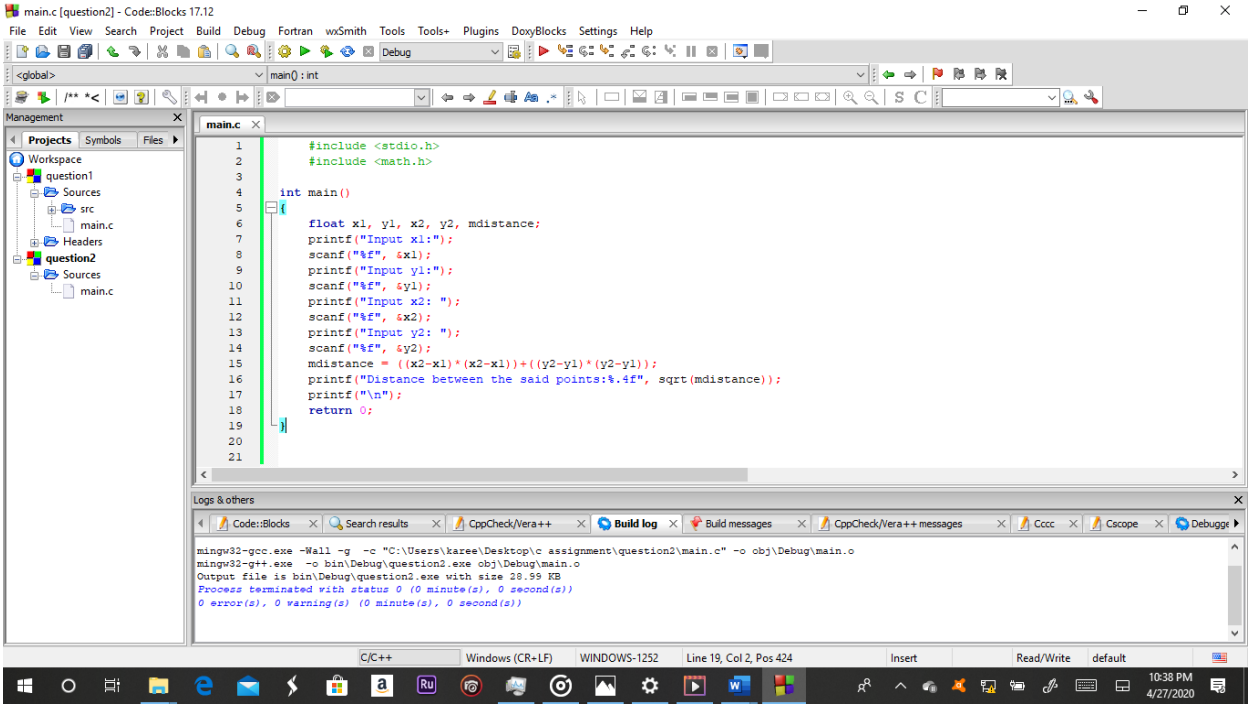
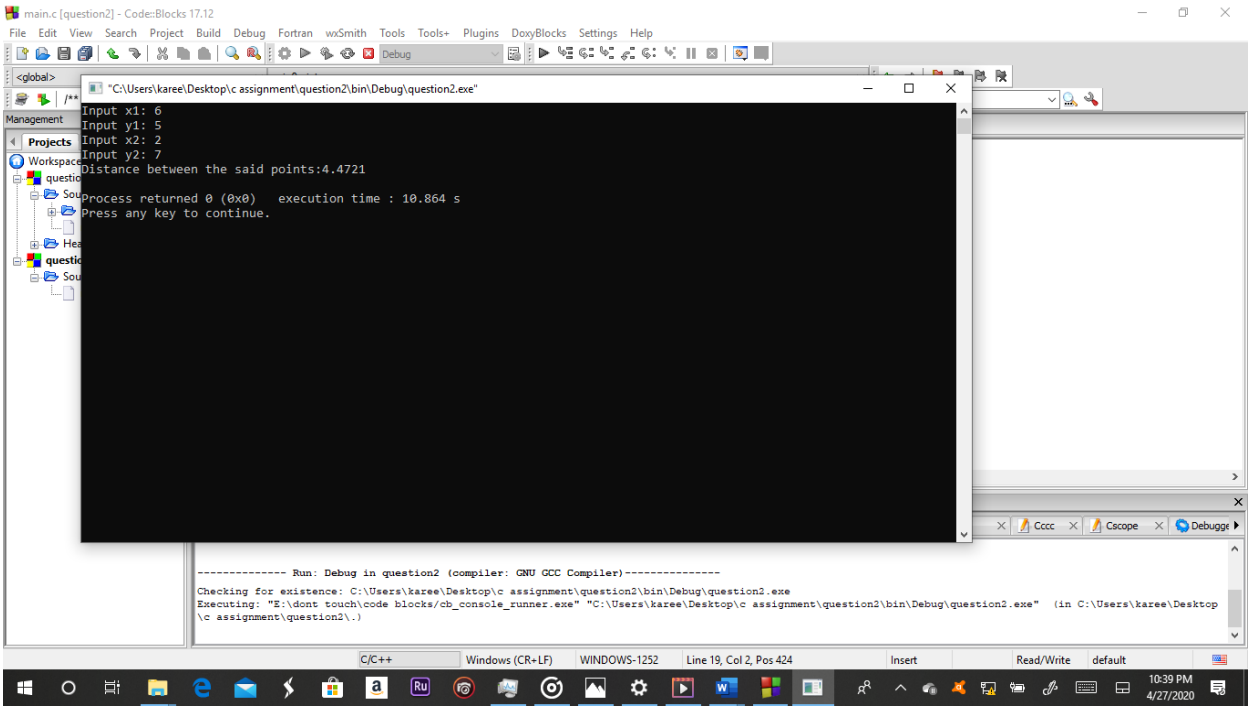
# QUESTION 1


main.c [question1] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
main.c
#include<stdio.h>
#include<conio.h>
void main( )
{
int days ,year,month,week,day;
printf("Enter the number of days");
scanf("%d",&days);
year = days /365;
month =(days /365)/30;
printf("Years= %d \t Months= %d \t Weeks =%d \t days = %d",year,month,week,day);
// converts days to years, weeks and months
getch();
}
Logs & others
Code::Blocks
Search results
CppCheck/Vera++
Build log
Build messages
CppCheck/Vera++ messages
Cccc
Cscope
Debugger
File Line Message
=== Build: Debug in question1 (compiler: GNU GCC Compiler) ===
C:\Users\karee... 5 warning: return type of 'main' is not 'int' [-Wmain]
C:\Users\karee... In function 'main':
C:\Users\karee... 16 warning: 'week' is used uninitialized in this function [-Wuninitialized]
C:\Users\karee... 16 warning: 'day' is used uninitialized in this function [-Wuninitialized]
C:\Users\karee\Desktop\c assignment\question1\main.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 17, Col 48, Pos 361
Insert
Read/Write
default
9:12 PM
4/27/2020

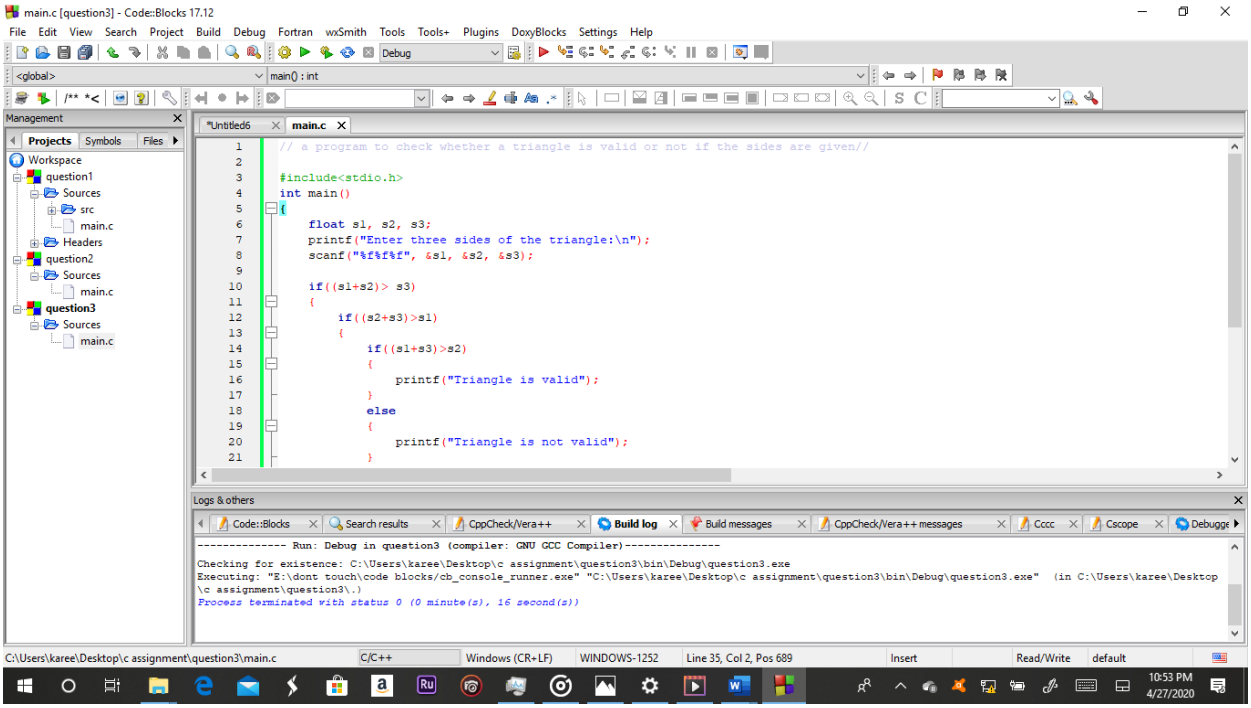

"C:\Users\karee\Desktop\c assignment\question1\bin\Debug\question1.exe"
Enter the number of days 1343
Years= 3 Months= 0 Weeks =79 days = 4200752
Process returned 13 (0xD) execution time : 7.671 s
Press any key to continue.
---------- Run: Debug in question1 (compiler: GNU GCC Compiler)----------
Checking for existence: C:\Users\karee\Desktop\c assignment\question1\bin\Debug\question1.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question1\bin\Debug\question1.exe" (in C:\Users\karee\Desktop\c assignment\question1\.)
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 17, Col 48, Pos 361
Insert
Read/Write
default
9:12 PM
4/27/2020

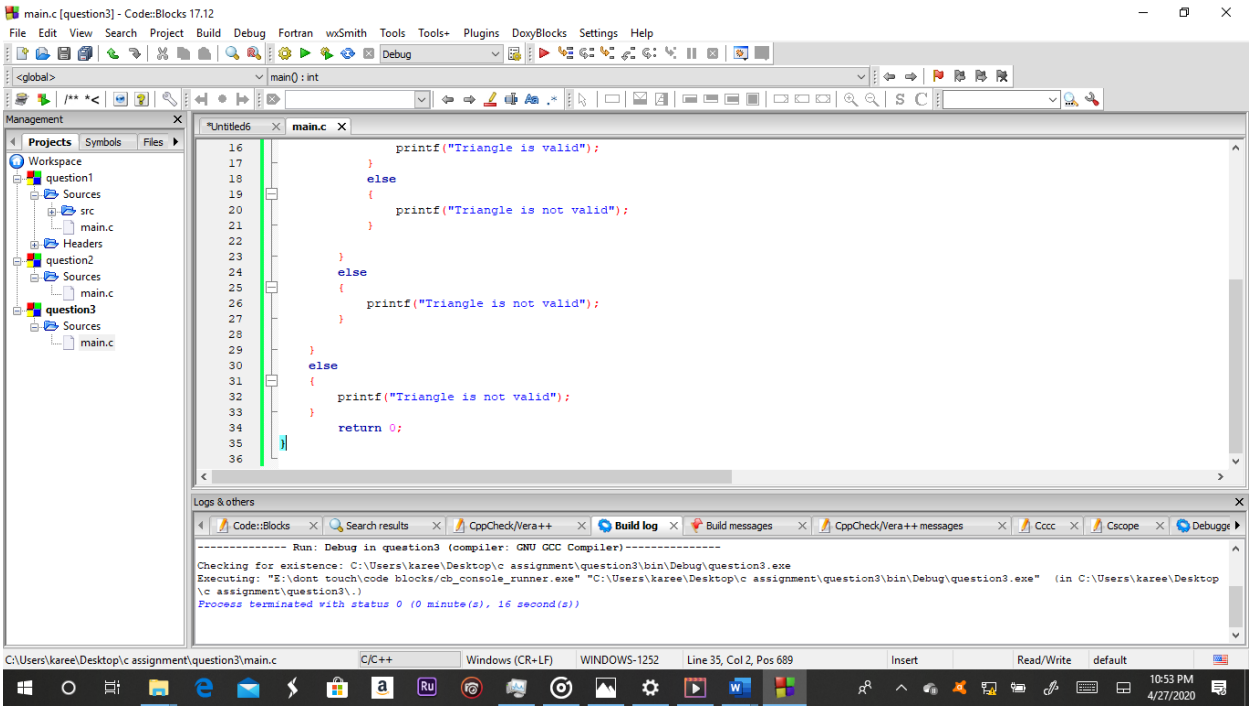
# QUESTION 2

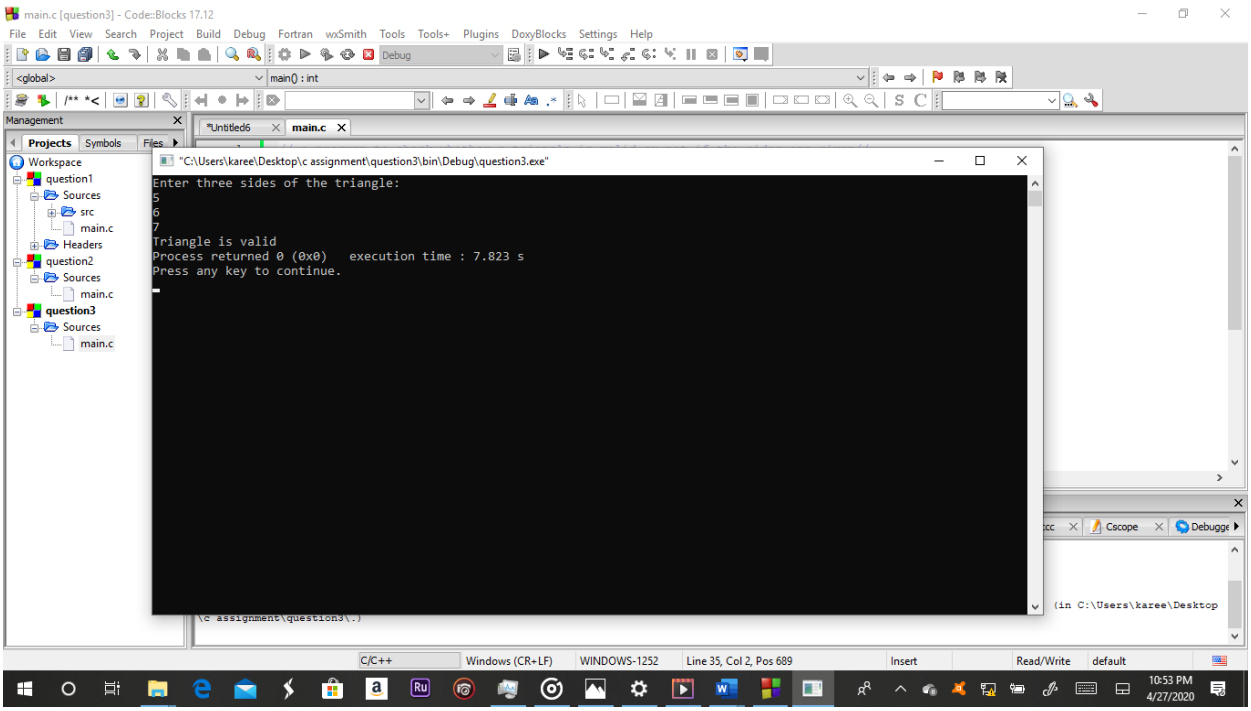

main.c [question2] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Symbols Files
Workspace
question1
Sources
src
main.c
Headers
question2
Sources
main.c
main.c
#include <stdio.h>
#include <math.h>
int main()
{
float x1, y1, x2, y2, mdistance;
printf("Input x1:");
scanf("%f", &x1);
printf("Input y1:");
scanf("%f", &y1);
printf("Input x2: ");
scanf("%f", &x2);
printf("Input y2: ");
scanf("%f", &y2);
mdistance = ((x2-x1)*(x2-x1))+((y2-y1)*(y2-y1));
printf("Distance between the said points:%.4f", sqrt(mdistance));
printf("\n");
return 0;
}
Logs & others
Code::Blocks
Search results
CppCheck/Vera++
Build log
Build messages
CppCheck/Vera++ messages
Cccc
Cscope
Debugger
mingw32-gcc.exe -Wall -g -c "C:\Users\karee\Desktop\c assignment\question2\main.c" -o obj\Debug\main.o
mingw32-g++.exe -o bin\Debug\question2.exe obj\Debug\main.o
Output file is bin\Debug\question2.exe with size 28.99 KB
Process terminated with status 0 (0 minute(s), 0 second(s))
0 error(s), 0 warning(s) (0 minute(s), 0 second(s))
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 19, Col 2, Pos 424
Insert
Read/Write
default
10:38 PM
4/27/2020


main.c [question2] - Code::Blocks 17.12
"C:\Users\karee\Desktop\c assignment\question2\bin\Debug\question2.exe"
Input x1: 6
Input y1: 5
Input x2: 2
Input y2: 7
Distance between the said points:4.4721
Process returned 0 (0x0) execution time : 10.864 s
Press any key to continue.
---------- Run: Debug in question2 (compiler: GNU GCC Compiler)----------
Checking for existence: C:\Users\karee\Desktop\c assignment\question2\bin\Debug\question2.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question2\bin\Debug\question2.exe" (in C:\Users\karee\Desktop\c assignment\question2\.)
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 19, Col 2, Pos 424
Insert
Read/Write
default
10:39 PM
4/27/2020

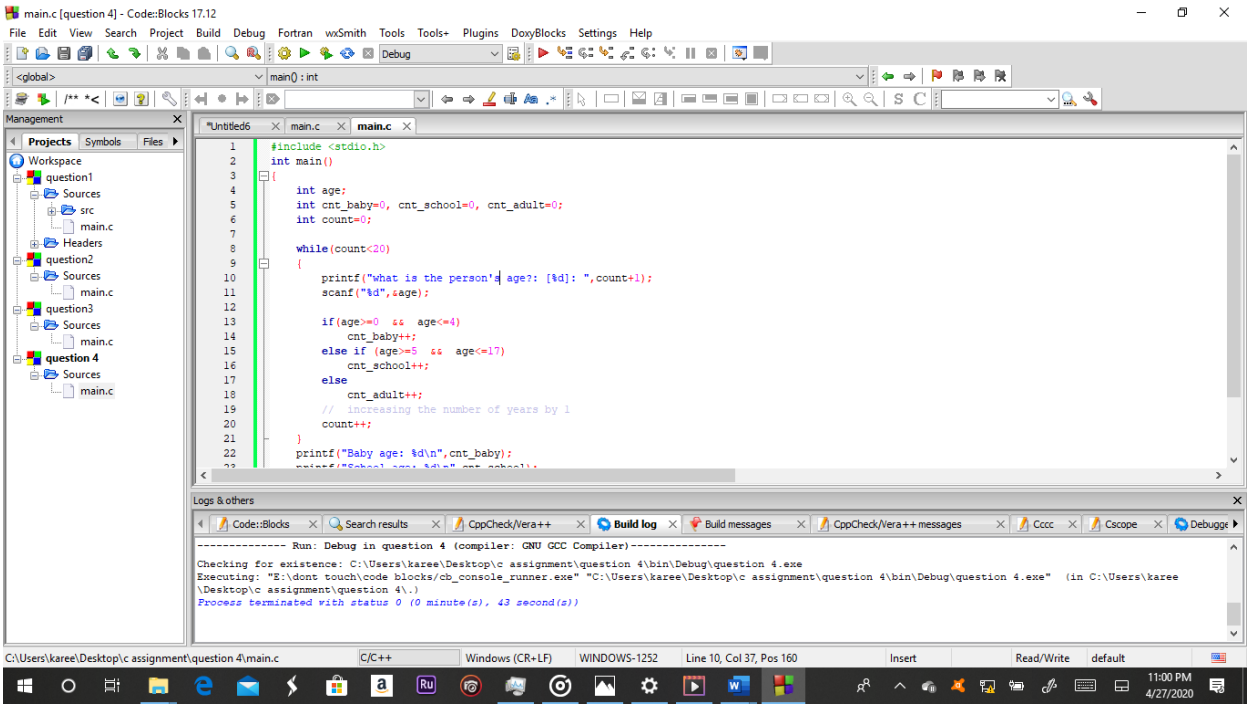
# QUESTION 3

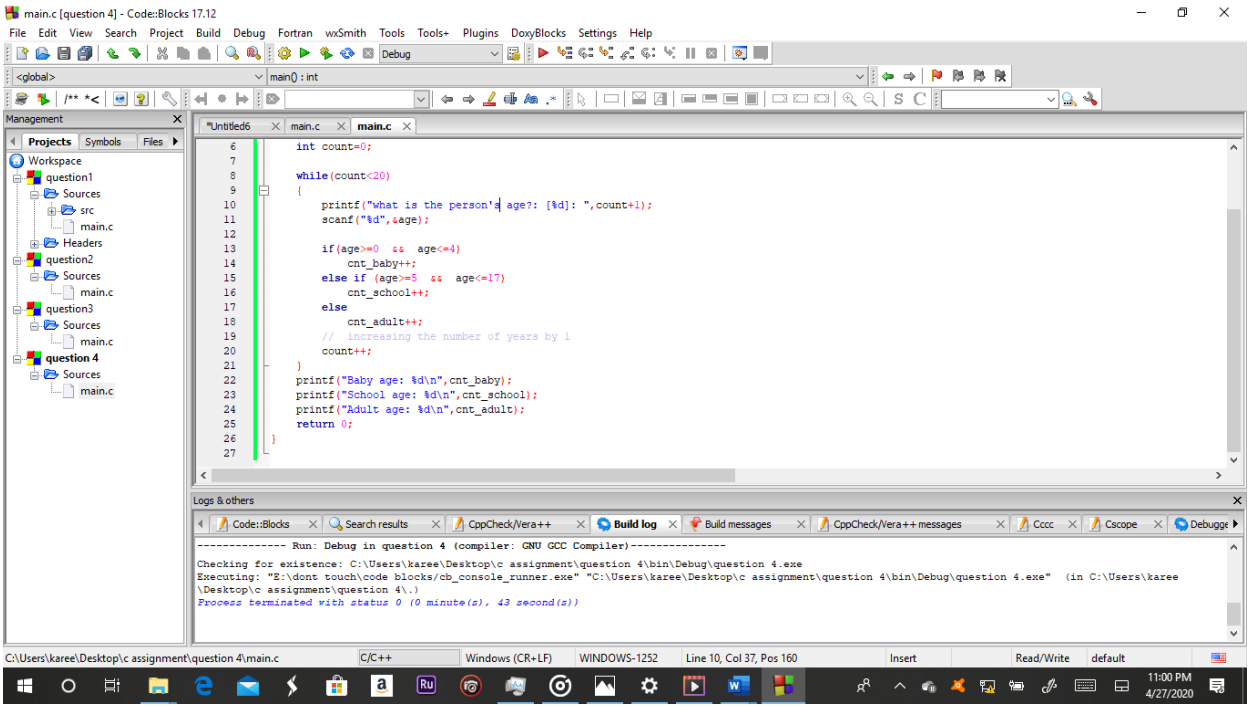

main.c [question3] - Code::Blocks 17.12
// a program to check whether a triangle is valid or not if the sides are given//
#include<stdio.h>
int main()
{
float s1, s2, s3;
printf("Enter three sides of the triangle:\n");
scanf("%f%f%f", &s1, &s2, &s3);
if((s1+s2)> s3)
{
if((s2+s3)>s1)
{
if((s1+s3)>s2)
{
printf("Triangle is valid");
}
else
{
printf("Triangle is not valid");
}
Run: Debug in question3 (compiler: GNU GCC Compiler)
Checking for existence: C:\Users\karee\Desktop\c assignment\question3\bin\Debug\question3.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question3\bin\Debug\question3.exe"
Process terminated with status 0 (0 minute(s), 16 second(s))


main.c [question3] - Code::Blocks 17.12
printf("Triangle is valid");
}
else
{
printf("Triangle is not valid");
}
}
else
{
printf("Triangle is not valid");
}
}
else
{
printf("Triangle is not valid");
}
return 0;
}
Run: Debug in question3 (compiler: GNU GCC Compiler)
Checking for existence: C:\Users\karee\Desktop\c assignment\question3\bin\Debug\question3.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question3\bin\Debug\question3.exe"
Process terminated with status 0 (0 minute(s), 16 second(s))


main.c [question3] - Code::Blocks 17.12
"C:\Users\karee\Desktop\c assignment\question3\bin\Debug\question3.exe"
Enter three sides of the triangle:
5
6
7
Triangle is valid
Process returned 0 (0x0)   execution time : 7.823 s
Press any key to continue.

## QUESTION 4


main.c [question 4] - Code::Blocks 17.12
#include <stdio.h>
int main()
{
int age;
int cnt_baby=0, cnt_school=0, cnt_adult=0;
int count=0;
while(count<20)
{
printf("what is the person's age?: [%d]: ",count+1);
scanf("%d",&age);
if(age>=0 && age<=4)
cnt_baby++;
else if (age>=5 && age<=17)
cnt_school++;
else
cnt_adult++;
// increasing the number of years by 1
count++;
}
printf("Baby age: %d\n",cnt_baby);
Run: Debug in question 4 (compiler: GNU GCC Compiler)
Checking for existence: C:\Users\karee\Desktop\c assignment\question 4\bin\Debug\question 4.exe
Process terminated with status 0 (0 minute(s), 43 second(s))


main.c [question 4] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
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question1
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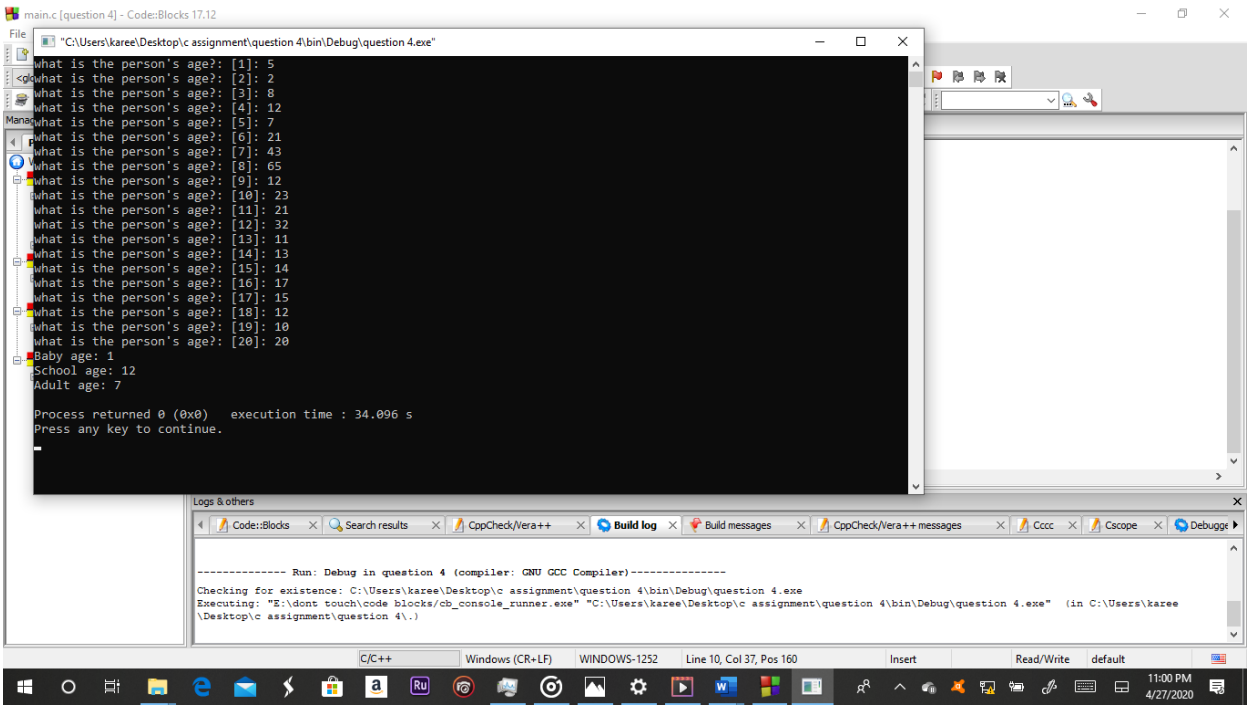
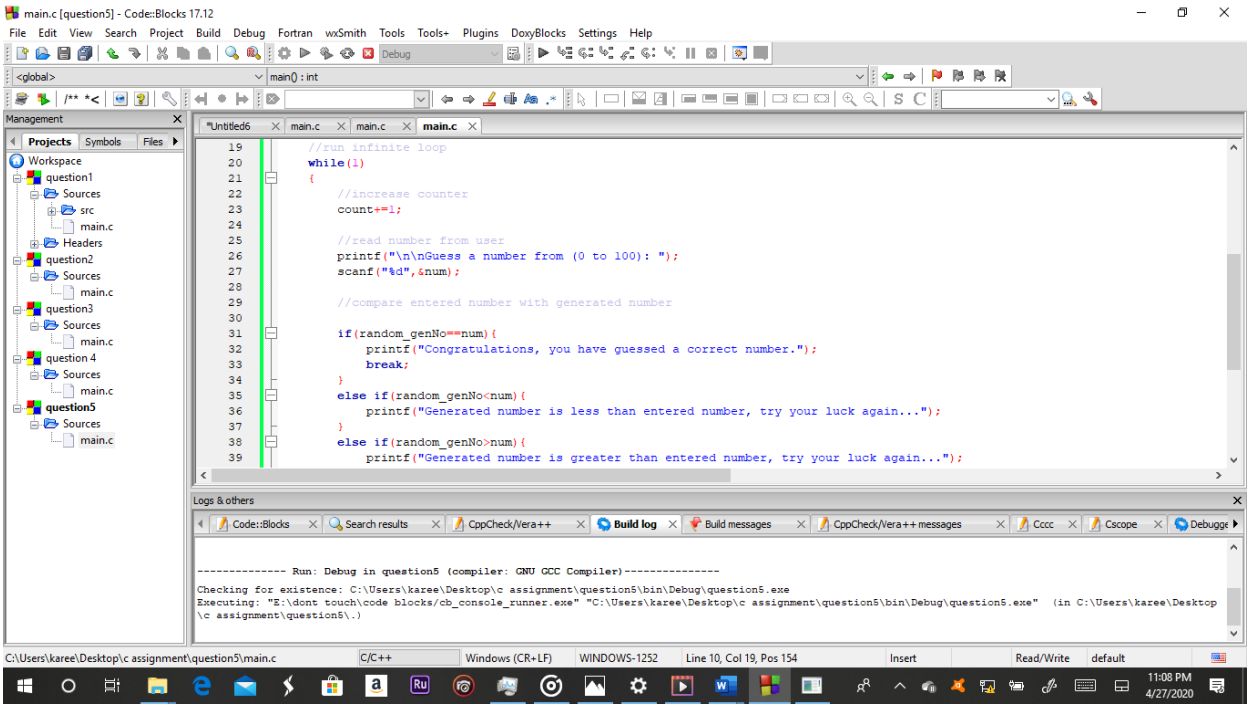
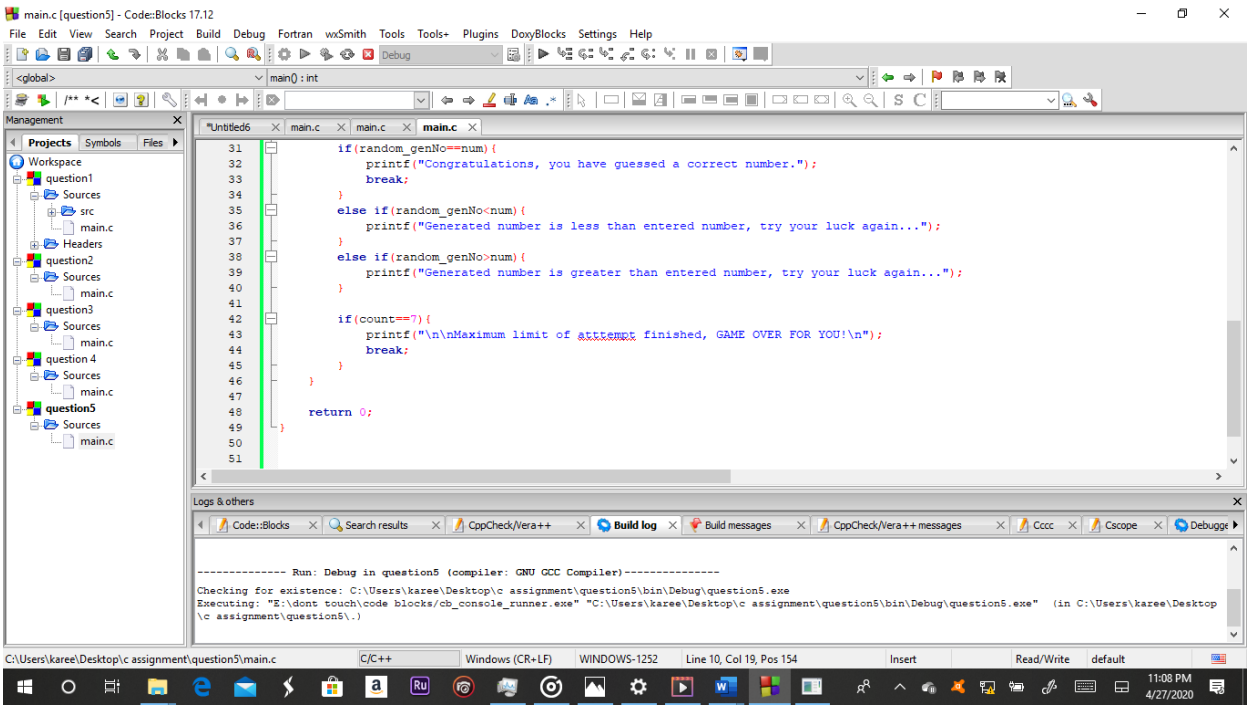
main.c
question3
Sources
main.c
question 4
Sources
main.c
*Untitled6 main.c main.c
int count=0;
while(count<20)
{
printf("what is the person's age?: [%d]: ",count+1);
scanf("%d",&age);
if(age>=0 && age<=4)
cnt_baby++;
else if (age>=5 && age<=17)
cnt_school++;
else
cnt_adult++;
// increasing the number of years by 1
count++;
}
printf("Baby age: %d\n",cnt_baby);
printf("School age: %d\n",cnt_school);
printf("Adult age: %d\n",cnt_adult);
return 0;
}
Logs & others
Code::Blocks Search results CppCheck/Vera++ Build log Build messages CppCheck/Vera++ messages Cccc Cscope Debugge
---------- Run: Debug in question 4 (compiler: GNU GCC Compiler)----------
Checking for existence: C:\Users\karee\Desktop\c assignment\question 4\bin\Debug\question 4.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question 4\bin\Debug\question 4.exe" (in C:\Users\karee\Desktop\c assignment\question 4\.)
Process terminated with status 0 (0 minute(s), 43 second(s))
C:\Users\karee\Desktop\c assignment\question 4\main.c
C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 37, Pos 160 Insert Read/Write default
11:00 PM 4/27/2020


main.c [question 4] - Code::Blocks 17.12
"C:\Users\karee\Desktop\c assignment\question 4\bin\Debug\question 4.exe"
what is the person's age?: [1]: 5
what is the person's age?: [2]: 2
what is the person's age?: [3]: 8
what is the person's age?: [4]: 12
what is the person's age?: [5]: 7
what is the person's age?: [6]: 21
what is the person's age?: [7]: 43
what is the person's age?: [8]: 65
what is the person's age?: [9]: 12
what is the person's age?: [10]: 23
what is the person's age?: [11]: 21
what is the person's age?: [12]: 32
what is the person's age?: [13]: 11
what is the person's age?: [14]: 13
what is the person's age?: [15]: 14
what is the person's age?: [16]: 17
what is the person's age?: [17]: 15
what is the person's age?: [18]: 12
what is the person's age?: [19]: 10
what is the person's age?: [20]: 20
Baby age: 1
School age: 12
Adult age: 7
Process returned 0 (0x0) execution time : 34.096 s
Press any key to continue.
Logs & others
Code::Blocks Search results CppCheck/Vera++ Build log Build messages CppCheck/Vera++ messages Cccc Cscope Debugge
---------- Run: Debug in question 4 (compiler: GNU GCC Compiler)----------
Checking for existence: C:\Users\karee\Desktop\c assignment\question 4\bin\Debug\question 4.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question 4\bin\Debug\question 4.exe" (in C:\Users\karee\Desktop\c assignment\question 4\.)
C/C++ Windows (CR+LF) WINDOWS-1252 Line 10, Col 37, Pos 160 Insert Read/Write default
11:00 PM 4/27/2020

# QUESTION 5


main.c [question5] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Symbols Files
Workspace
question1
Sources
src
main.c
Headers
question2
Sources
main.c
question3
Sources
main.c
question 4
Sources
main.c
question5
Sources
main.c
*Untitled6 main.c main.c main.c
19 //run infinite loop
20 while(1)
21 {
22 //increase counter
23 count+=1;
24
25 //read number from user
26 printf("\n\nGuess a number from (0 to 100): ");
27 scanf("%d",&num);
28
29 //compare entered number with generated number
30
31 if(random_genNo==num){
32 printf("Congratulations, you have guessed a correct number.");
33 break;
34 }
35 else if(random_genNo<num){
36 printf("Generated number is less than entered number, try your luck again...");
37 }
38 else if(random_genNo>num){
39 printf("Generated number is greater than entered number, try your luck again...");
Logs & others
Code::Blocks Search results CppCheck/Vera++ Build log Build messages CppCheck/Vera++ messages Cccc Cscope Debugge
---------- Run: Debug in question5 (compiler: GNU GCC Compiler)----------
Checking for existence: C:\Users\karee\Desktop\c assignment\question5\bin\Debug\question5.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question5\bin\Debug\question5.exe" (in C:\Users\karee\Desktop\c assignment\question5\.)
C:\Users\karee\Desktop\c assignment\question5\main.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 10, Col 19, Pos 154
Insert
Read/Write
default
11:08 PM
4/27/2020


main.c [question5] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
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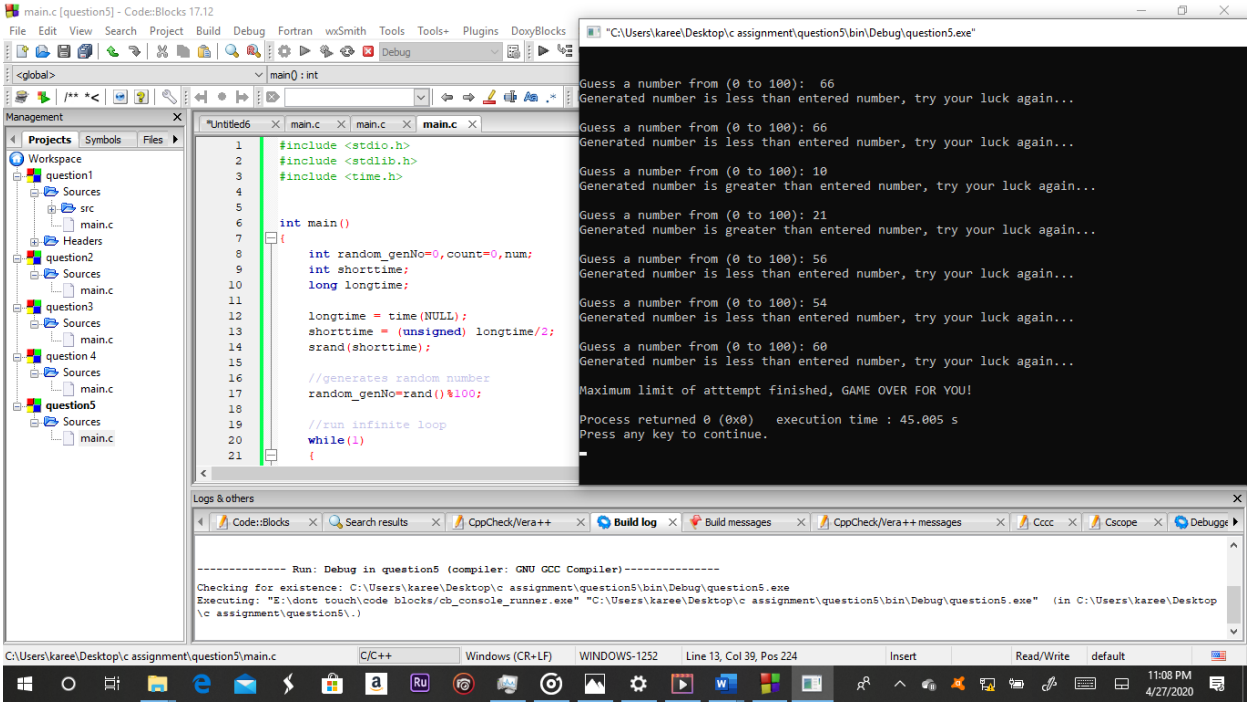
Projects Symbols Files
Workspace
question1
Sources
src
main.c
Headers
question2
Sources
main.c
question3
Sources
main.c
question 4
Sources
main.c
question5
Sources
main.c
*Untitled6 main.c main.c main.c
31 if(random_genNo==num){
32 printf("Congratulations, you have guessed a correct number.");
33 break;
34 }
35 else if(random_genNo<num){
36 printf("Generated number is less than entered number, try your luck again...");
37 }
38 else if(random_genNo>num){
39 printf("Generated number is greater than entered number, try your luck again...");
40 }
41
42 if(count==7){
43 printf("\n\nMaximum limit of atttempt finished, GAME OVER FOR YOU!\n");
44 break;
45 }
46 }
47
48 return 0;
49 }
50
51
Logs & others
Code::Blocks Search results CppCheck/Vera++ Build log Build messages CppCheck/Vera++ messages Cccc Cscope Debugge
---------- Run: Debug in question5 (compiler: GNU GCC Compiler)----------
Checking for existence: C:\Users\karee\Desktop\c assignment\question5\bin\Debug\question5.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question5\bin\Debug\question5.exe" (in C:\Users\karee\Desktop\c assignment\question5\.)
C:\Users\karee\Desktop\c assignment\question5\main.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 10, Col 19, Pos 154
Insert
Read/Write
default
11:08 PM
4/27/2020


main.c [question5] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks
Management
Projects Symbols Files
Workspace
question1
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src
main.c
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question2
Sources
main.c
question3
Sources
main.c
question 4
Sources
main.c
question5
Sources
main.c
*Untitled6 main.c main.c main.c
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <time.h>
4
5
6 int main()
7 {
8 int random_genNo=0,count=0,num;
9 int shorttime;
10 long longtime;
11
12 longtime = time(NULL);
13 shorttime = (unsigned) longtime/2;
14 srand(shorttime);
15
16 //generates random number
17 random_genNo=rand()%100;
18
19 //run infinite loop
20 while(1)
21 {
"C:\Users\karee\Desktop\c assignment\question5\bin\Debug\question5.exe"
Guess a number from (0 to 100): 66
Generated number is less than entered number, try your luck again...
Guess a number from (0 to 100): 66
Generated number is less than entered number, try your luck again...
Guess a number from (0 to 100): 10
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 21
Generated number is greater than entered number, try your luck again...
Guess a number from (0 to 100): 56
Generated number is less than entered number, try your luck again...
Guess a number from (0 to 100): 54
Generated number is less than entered number, try your luck again...
Guess a number from (0 to 100): 60
Generated number is less than entered number, try your luck again...
Maximum limit of atttempt finished, GAME OVER FOR YOU!
Process returned 0 (0x0) execution time : 45.005 s
Press any key to continue.
Logs & others
Code::Blocks Search results CppCheck/Vera++ Build log Build messages CppCheck/Vera++ messages Cccc Cscope Debugge
-------------- Run: Debug in question5 (compiler: GNU GCC Compiler)---------------
Checking for existence: C:\Users\karee\Desktop\c assignment\question5\bin\Debug\question5.exe
Executing: "E:\dont touch\code blocks/cb_console_runner.exe" "C:\Users\karee\Desktop\c assignment\question5\bin\Debug\question5.exe" (in C:\Users\karee\Desktop\c assignment\question5\.)
C:\Users\karee\Desktop\c assignment\question5\main.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 13, Col 39, Pos 224
Insert
Read/Write
default
11:08 PM
4/27/2020