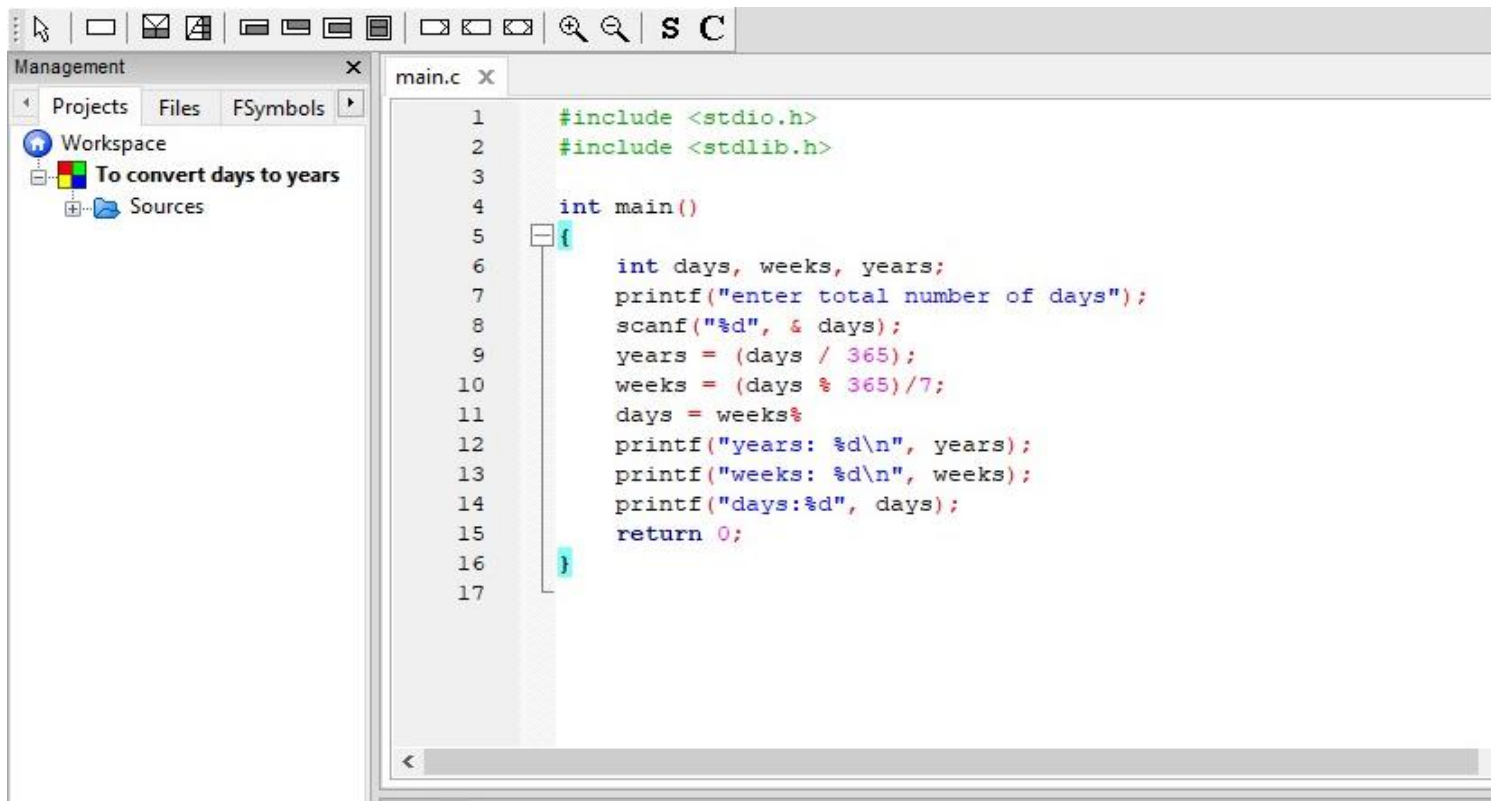
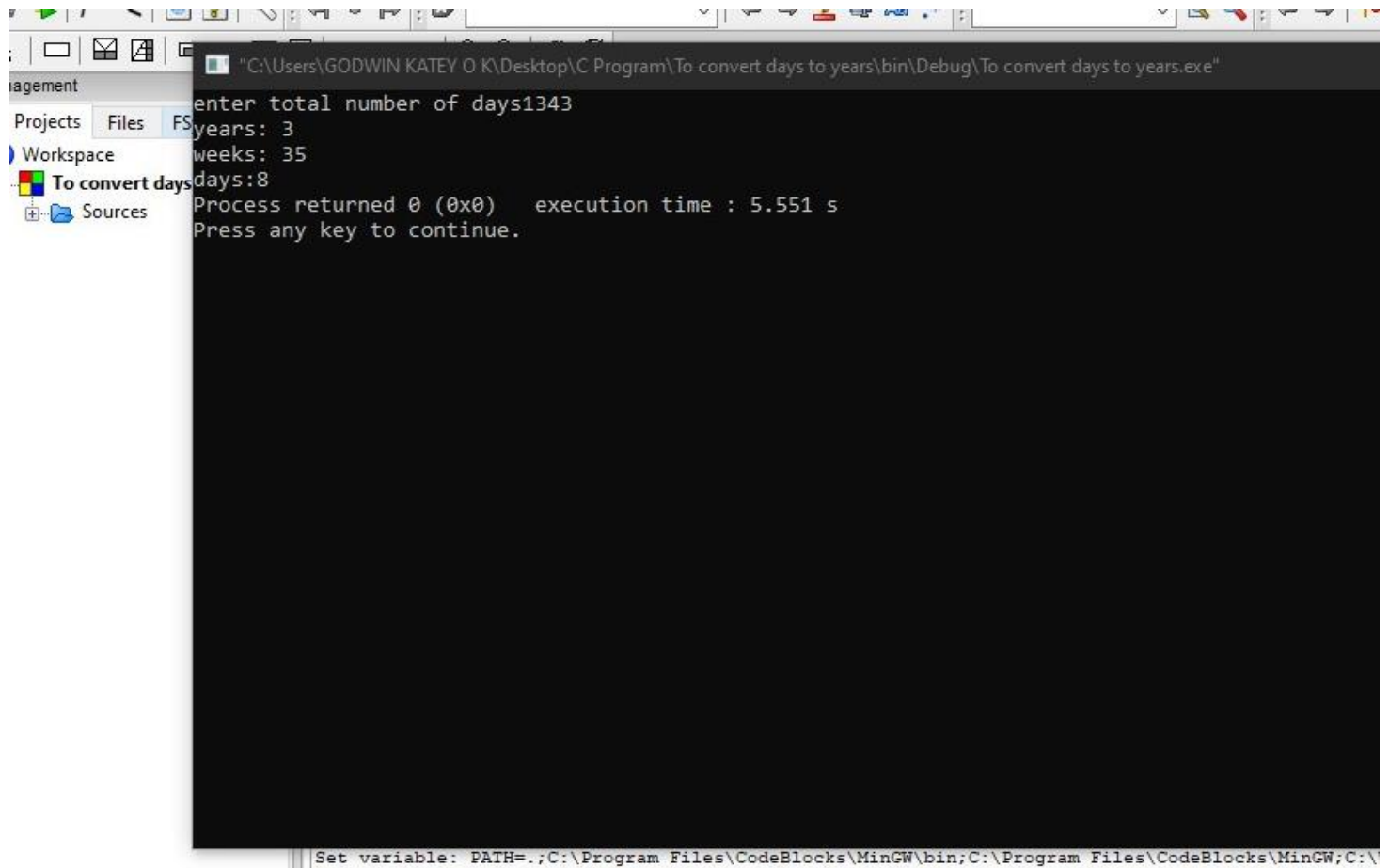


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The screenshot shows a C code editor with a file named 'main.c'. The code is as follows:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  int main()
5  {
6      int days, weeks, years;
7      printf("enter total number of days");
8      scanf("%d", & days);
9      years = (days / 365);
10     weeks = (days % 365)/7;
11     days = weeks*7;
12     printf("years: %d\n", years);
13     printf("weeks: %d\n", weeks);
14     printf("days:%d", days);
15     return 0;
16 }
17
```



The screenshot shows a terminal window with the following output:

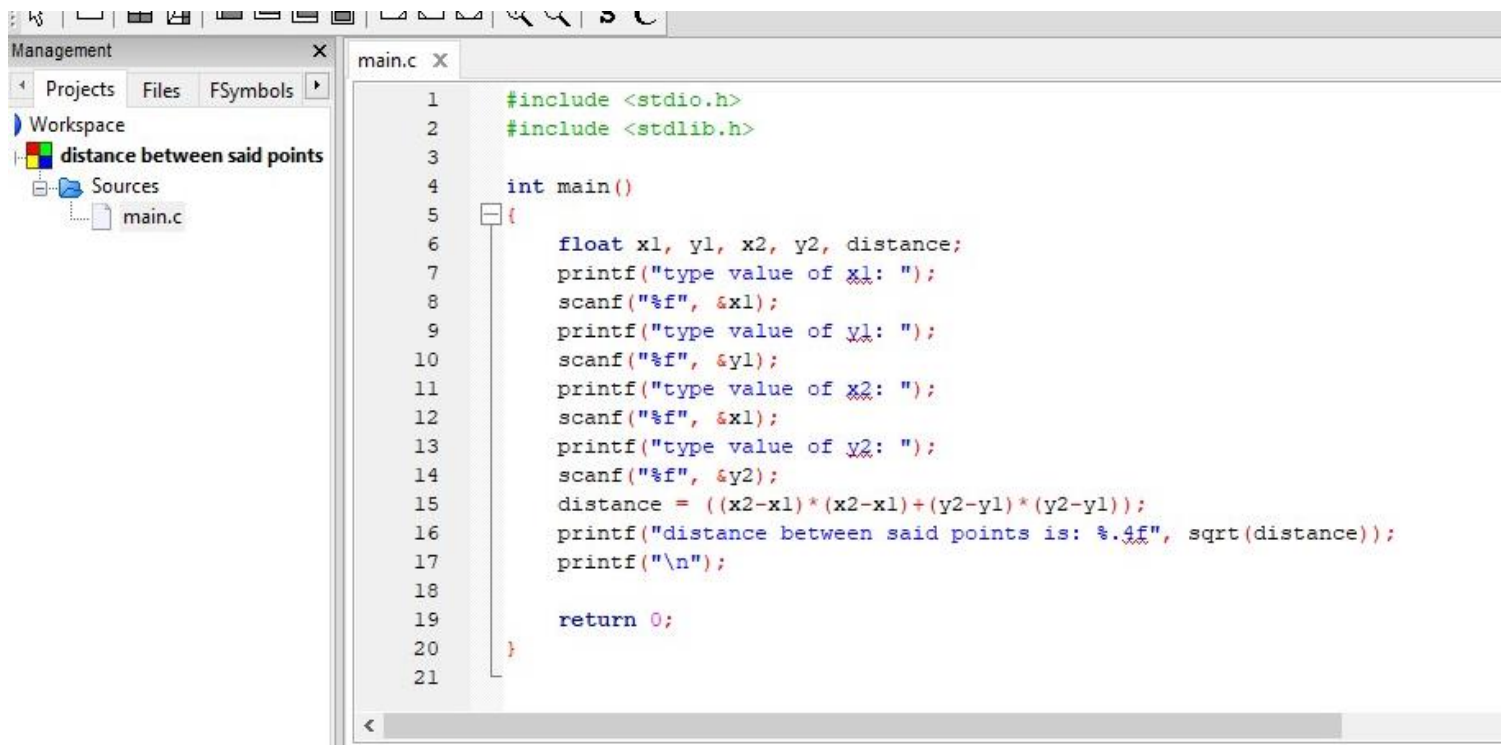
```
"C:\Users\GODWIN KATEY O K\Desktop\C Program\To convert days to years\bin\Debug\To convert days to years.exe"
enter total number of days1343
years: 3
weeks: 35
days:8
Process returned 0 (0x0)   execution time : 5.551 s
Press any key to continue.
```

At the bottom of the terminal window, the following command is visible:

```
Set variable: PATH=.;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin
```

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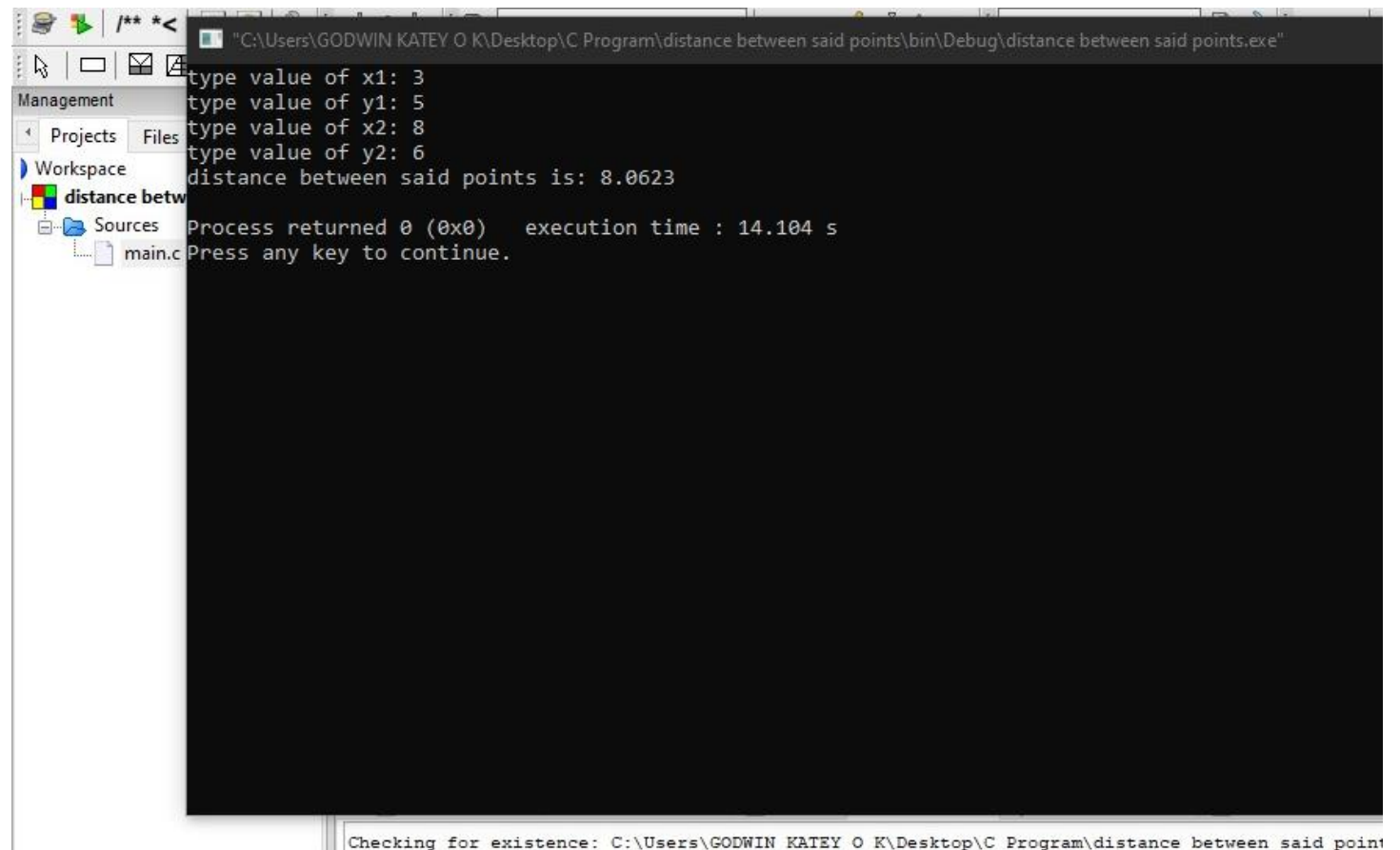
2.



The screenshot shows a code editor with a project named 'distance between said points'. The file 'main.c' is open, displaying the following C code:

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

RESULT



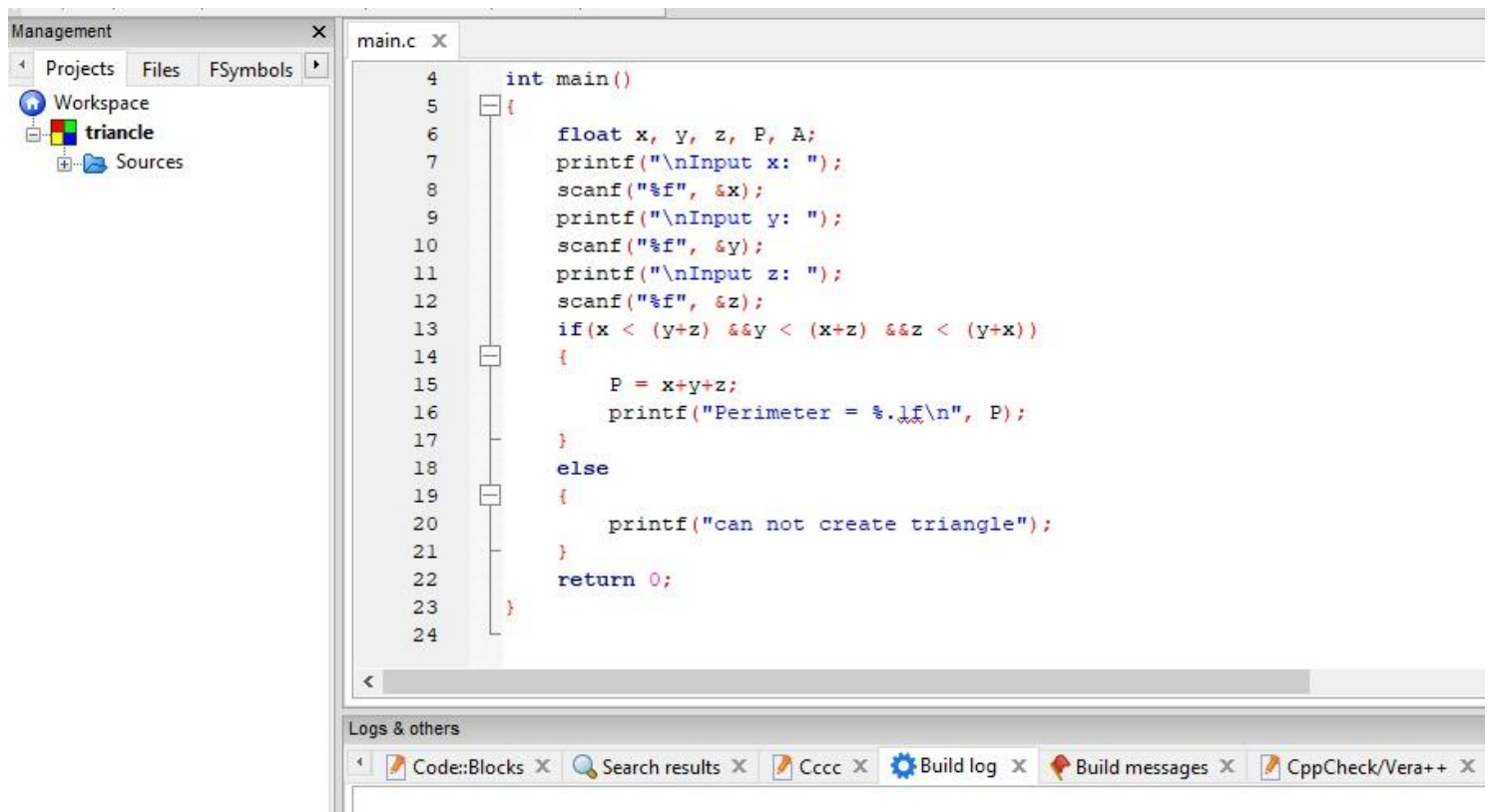
The screenshot shows the execution of the program. The output is as follows:

```
type value of x1: 3
type value of y1: 5
type value of x2: 8
type value of y2: 6
distance between said points is: 8.0623
Process returned 0 (0x0)   execution time : 14.104 s
Press any key to continue.
```

At the bottom of the window, there is a status bar that reads: "Checking for existence: C:\Users\GODWIN KATEY O K\Desktop\C Program\distance between said points\bin\Debug\distance between said points.exe"

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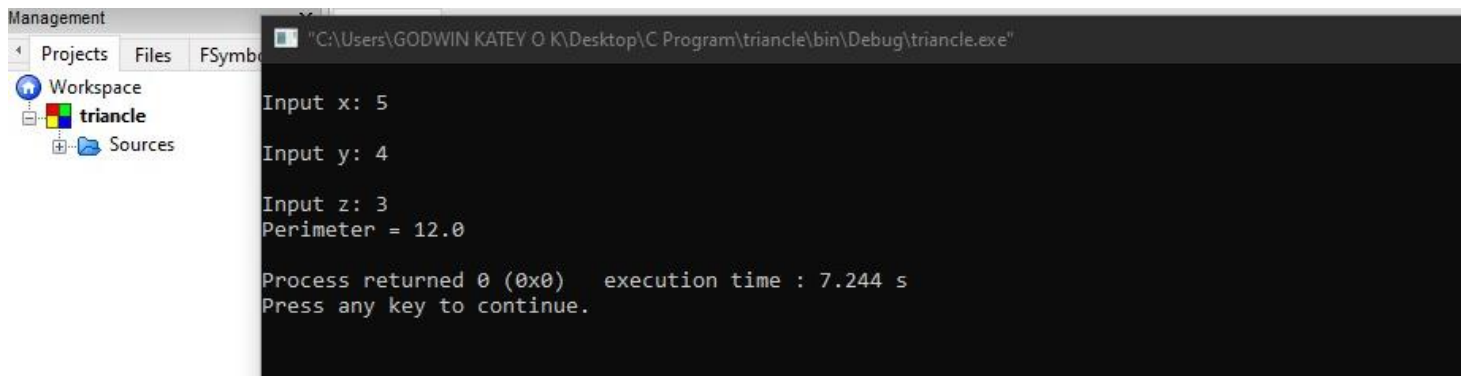
3.



The screenshot shows the Code::Blocks IDE with the 'triangle.c' file open. The code is as follows:

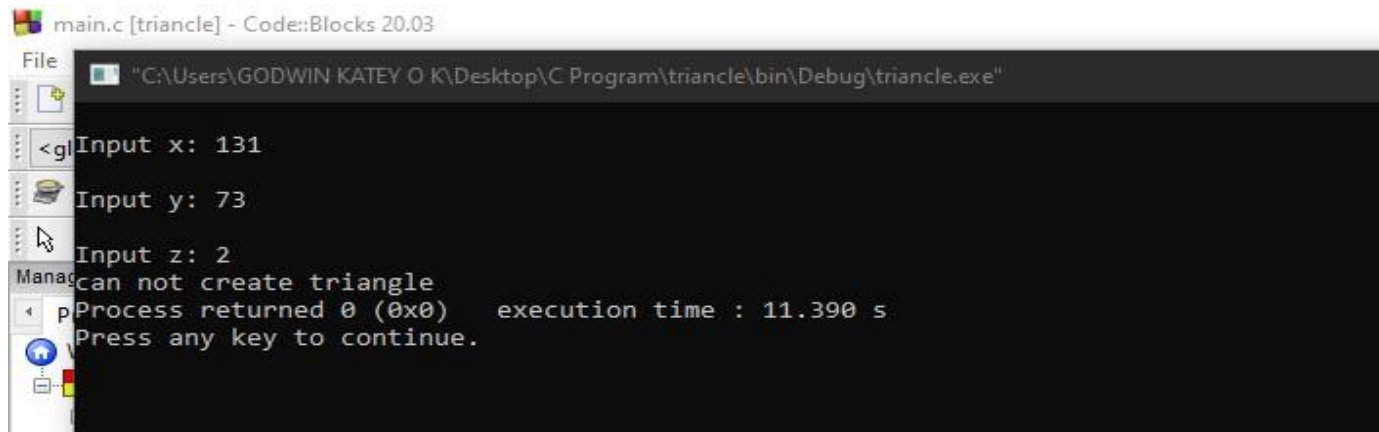
```
1  int main()  
2  {  
3      float x, y, z, P, A;  
4      printf("\nInput x: ");  
5      scanf("%f", &x);  
6      printf("\nInput y: ");  
7      scanf("%f", &y);  
8      printf("\nInput z: ");  
9      scanf("%f", &z);  
10     if(x < (y+z) &&y < (x+z) &&z < (y+x))  
11     {  
12         P = x+y+z;  
13         printf("Perimeter = %.1f\n", P);  
14     }  
15     else  
16     {  
17         printf("can not create triangle");  
18     }  
19     return 0;  
20 }
```

RESULTS



The screenshot shows the execution output of the program for the first test case. The output is as follows:

```
Input x: 5  
Input y: 4  
Input z: 3  
Perimeter = 12.0  
Process returned 0 (0x0)   execution time : 7.244 s  
Press any key to continue.
```



The screenshot shows the execution output of the program for the second test case. The output is as follows:

```
Input x: 131  
Input y: 73  
Input z: 2  
can not create triangle  
Process returned 0 (0x0)   execution time : 11.390 s  
Press any key to continue.
```

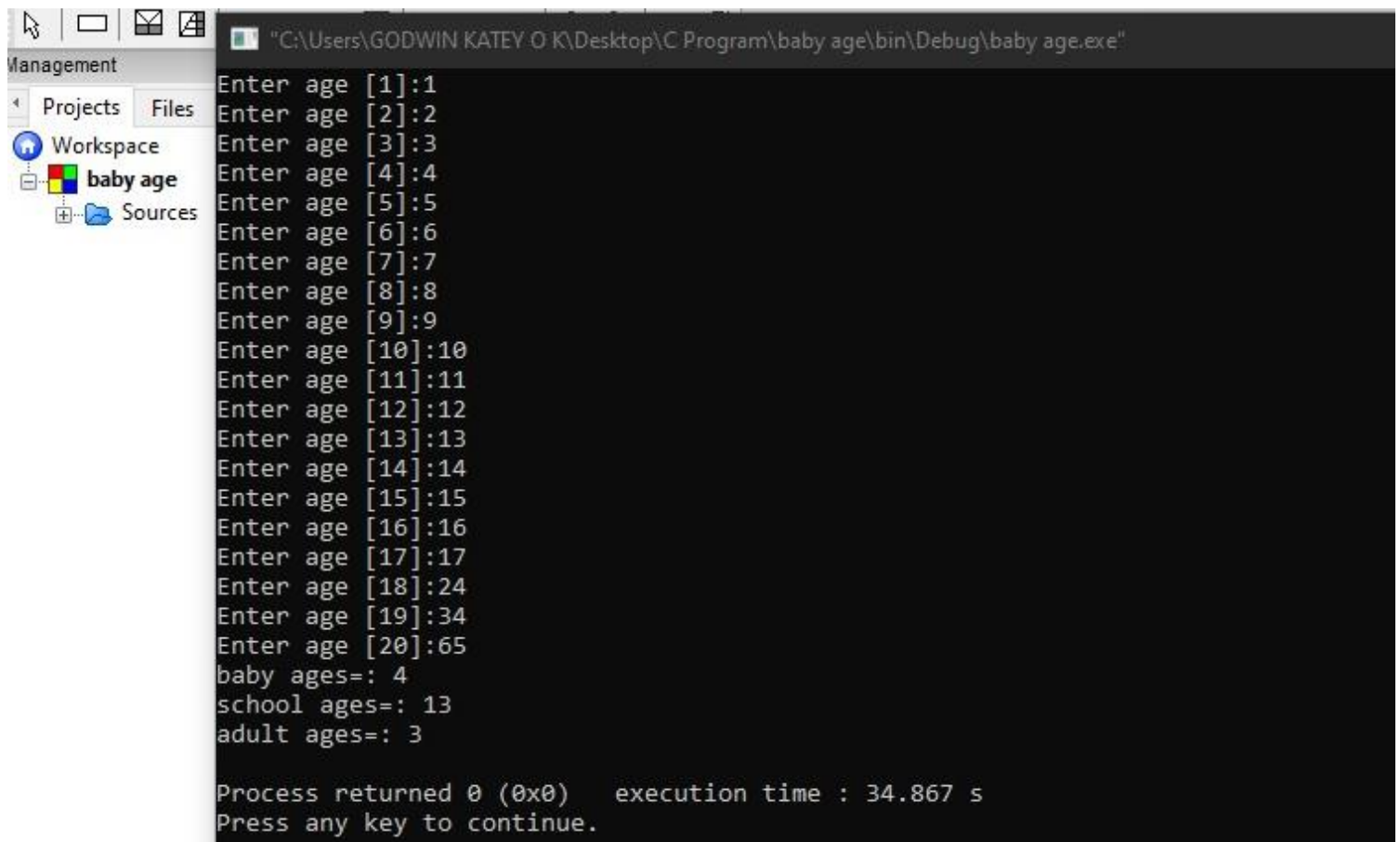
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4.



```
5 {
6     int age;
7     int baby_age_count=0, school_age_count=0, adult_age_count=0;
8     int count=0;
9     while(count<20)
10    {
11        printf("Enter age [%d]:", count+1);
12        scanf("%d", &age);
13        if (age>=0 && age<=4)
14            baby_age_count++;
15        else if (age>=5 && age<=17)
16            school_age_count++;
17        else
18            adult_age_count++;
19        count++;
20    }
21    printf("baby ages=: %d\n", baby_age_count);
22    printf("school ages=: %d\n", school_age_count);
23    printf("adult ages=: %d\n", adult_age_count);
24    return 0;
25 }
26
```

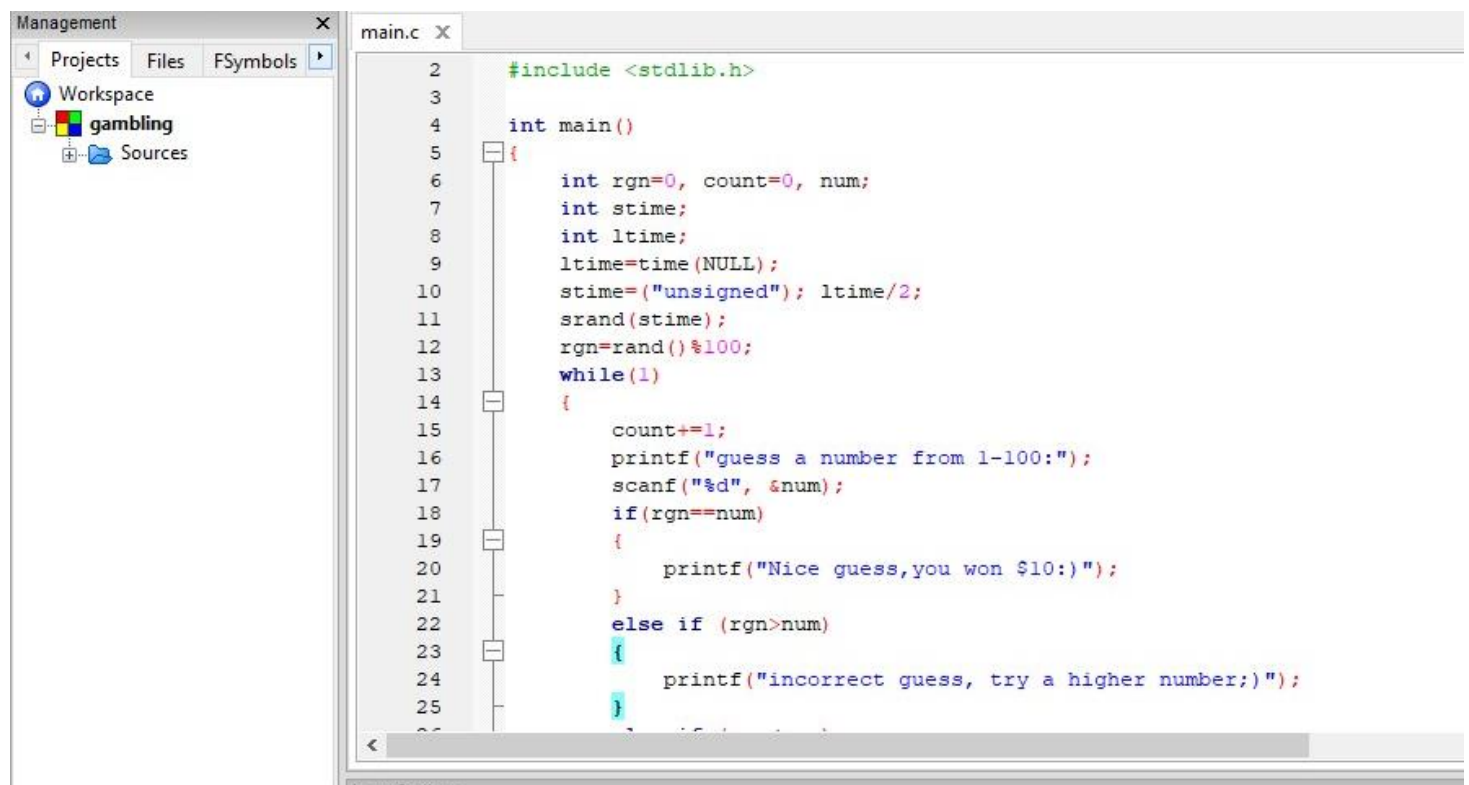
RESULT



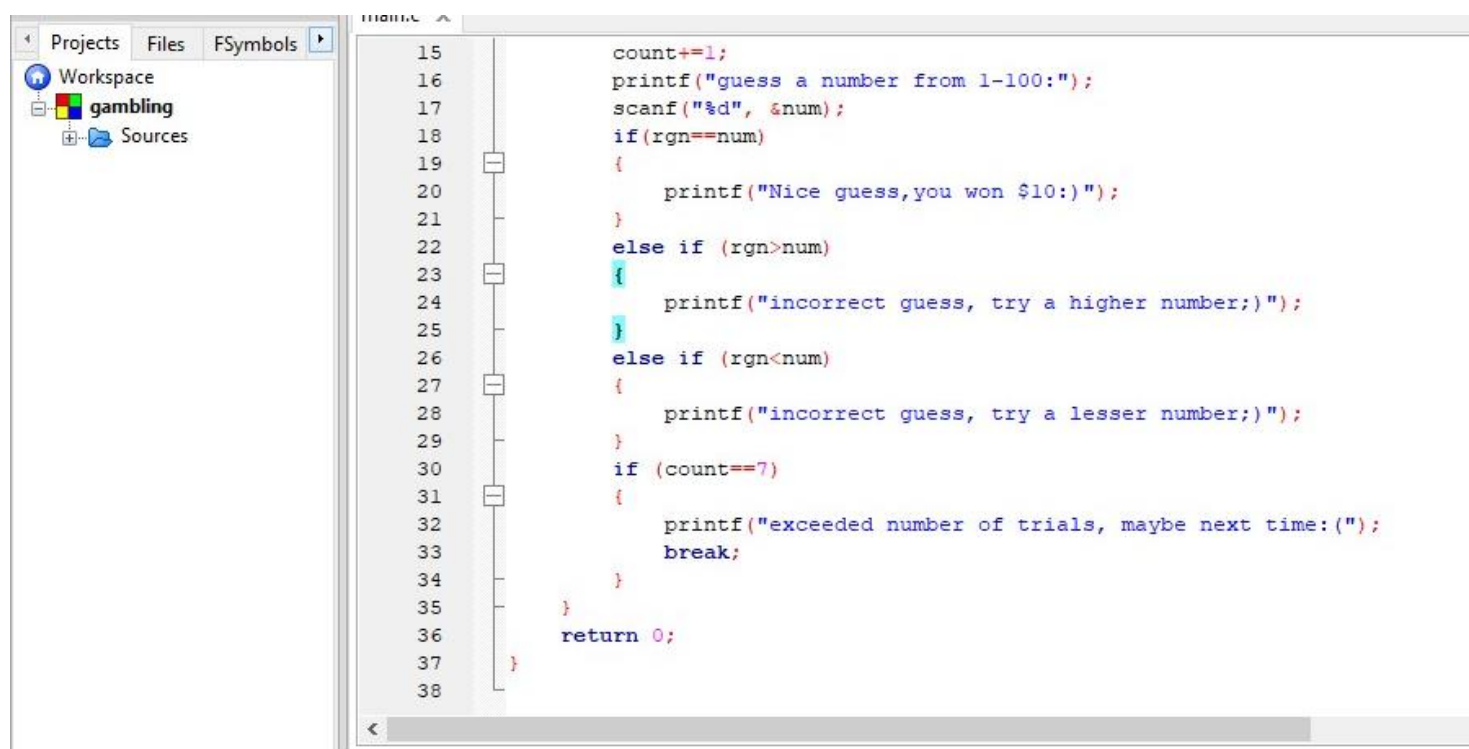
```
"C:\Users\GODWIN KATEY O K\Desktop\C Program\baby age\bin\Debug\baby age.exe"
Enter age [1]:1
Enter age [2]:2
Enter age [3]:3
Enter age [4]:4
Enter age [5]:5
Enter age [6]:6
Enter age [7]:7
Enter age [8]:8
Enter age [9]:9
Enter age [10]:10
Enter age [11]:11
Enter age [12]:12
Enter age [13]:13
Enter age [14]:14
Enter age [15]:15
Enter age [16]:16
Enter age [17]:17
Enter age [18]:24
Enter age [19]:34
Enter age [20]:65
baby ages=: 4
school ages=: 13
adult ages=: 3

Process returned 0 (0x0)   execution time : 34.867 s
Press any key to continue.
```

5.



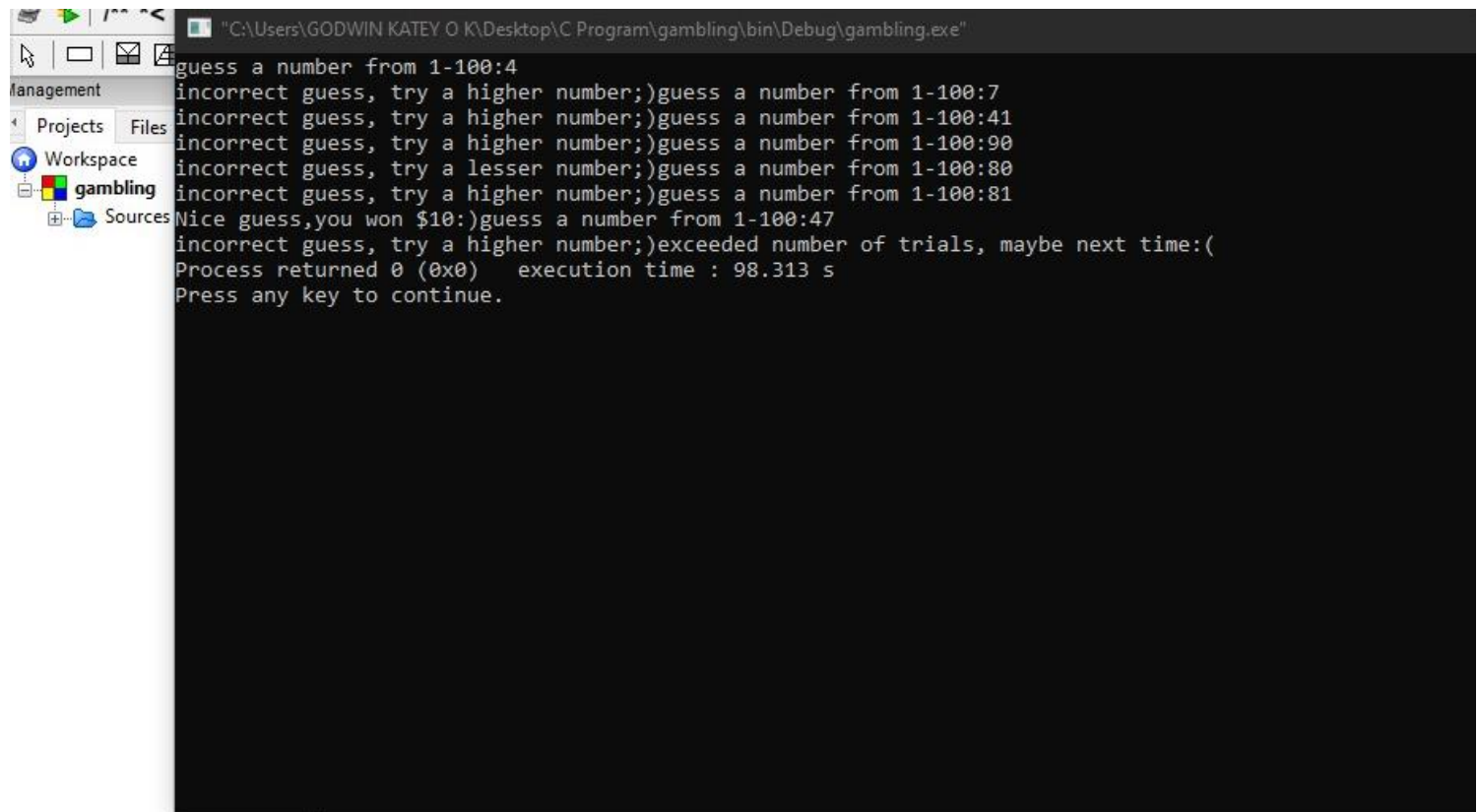
```
2      #include <stdlib.h>
3
4      int main()
5      {
6          int rgn=0, count=0, num;
7          int stime;
8          int ltime;
9          ltime=time(NULL);
10         stime=(unsigned); ltime/2;
11         srand(stime);
12         rgn=rand()%100;
13         while(1)
14         {
15             count++;
16             printf("guess a number from 1-100:");
17             scanf("%d", &num);
18             if(rgn==num)
19             {
20                 printf("Nice guess,you won $10:");
21             }
22             else if (rgn>num)
23             {
24                 printf("incorrect guess, try a higher number:");
25             }
26             // ...
```



```
15         count++;
16         printf("guess a number from 1-100:");
17         scanf("%d", &num);
18         if(rgn==num)
19         {
20             printf("Nice guess,you won $10:");
21         }
22         else if (rgn>num)
23         {
24             printf("incorrect guess, try a higher number:");
25         }
26         else if (rgn<num)
27         {
28             printf("incorrect guess, try a lesser number:");
29         }
30         if (count==7)
31         {
32             printf("exceeded number of trials, maybe next time:");
33             break;
34         }
35     }
36     return 0;
37 }
38
```

RESULT

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```
"C:\Users\GODWIN KATEY O\K\Desktop\C Program\gambling\bin\Debug\gambling.exe"
guess a number from 1-100:4
incorrect guess, try a higher number;)guess a number from 1-100:7
incorrect guess, try a higher number;)guess a number from 1-100:41
incorrect guess, try a higher number;)guess a number from 1-100:90
incorrect guess, try a lesser number;)guess a number from 1-100:80
incorrect guess, try a higher number;)guess a number from 1-100:81
Nice guess,you won $10:)guess a number from 1-100:47
incorrect guess, try a higher number;)exceeded number of trials, maybe next time:(
Process returned 0 (0x0)   execution time : 98.313 s
Press any key to continue.
```