

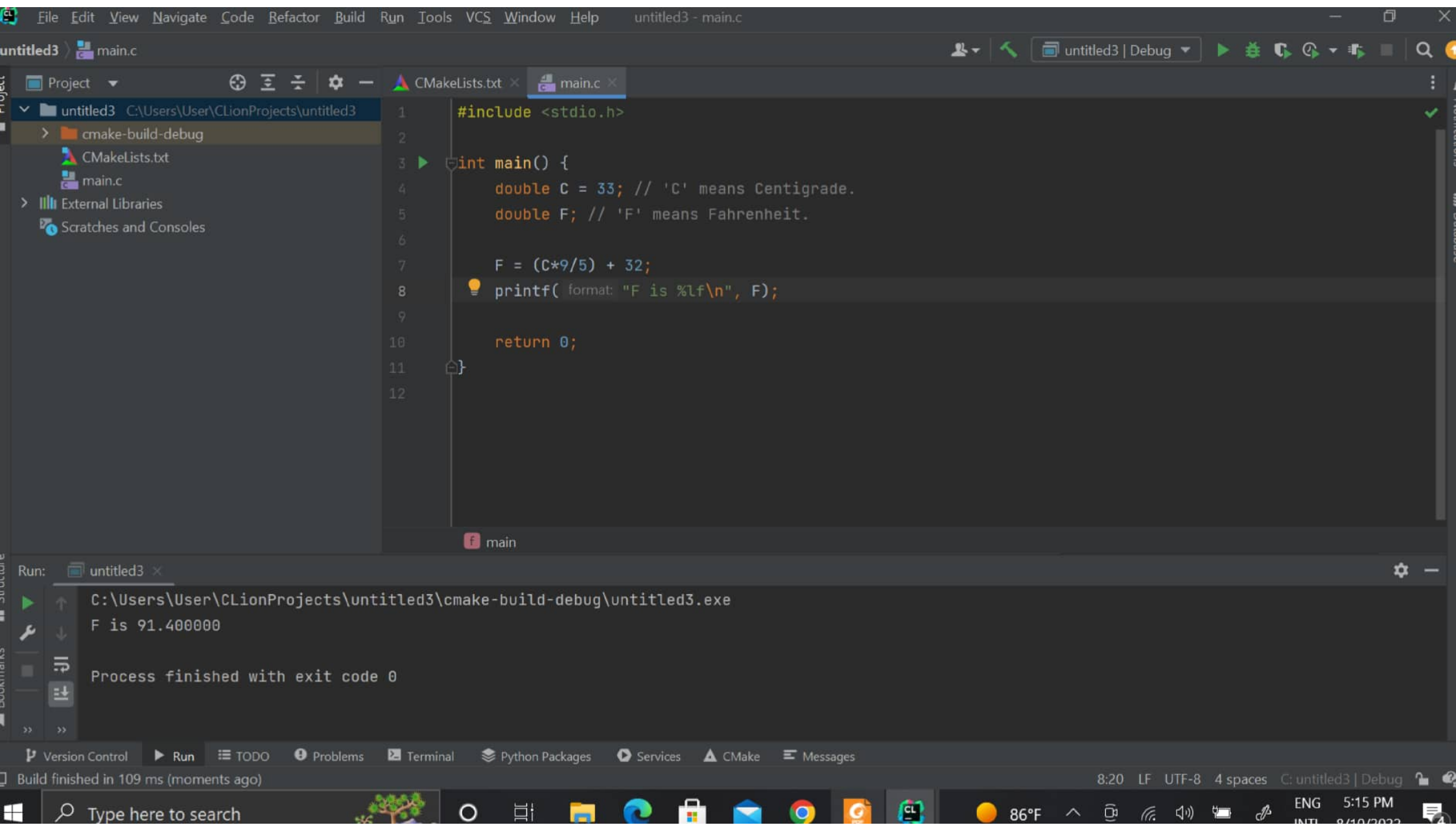
The screenshot shows the CLion IDE interface. The main editor displays a C program in `main.c` that calculates the area and circumference of a circle. The program includes `<stdio.h>` and defines a `main` function. It sets a radius `r` to 7, defines `PI` as 3.14159, and declares variables `A` and `P` for area and circumference. The area is calculated as  $A = \pi r^2$  and the circumference as  $P = 2\pi r$ . The results are printed using `printf` and the function returns 0.

```
1 #include <stdio.h>
2 int main() {
3     double r = 7; // 'r' means radius.
4     double PI = 3.14159;
5     double A; // 'A' means Area.
6     double P; // 'P' means Circumference.
7
8     A = PI * r * r;
9     printf("A is %lf\n", A);
10
11    P = 2 * PI * r;
12    printf("P is %lf\n", P);
13
14    return 0;
15 }
```

The Run window at the bottom shows the execution output:

```
C:\Users\User\CLionProjects\untitled2\cmake-build-debug\untitled2.exe
A is 153.937910
P is 43.982260
Process finished with exit code 0
```

The status bar at the bottom indicates the file is `untitled2 | Debug`, the encoding is UTF-8, and the line length is 4 spaces.



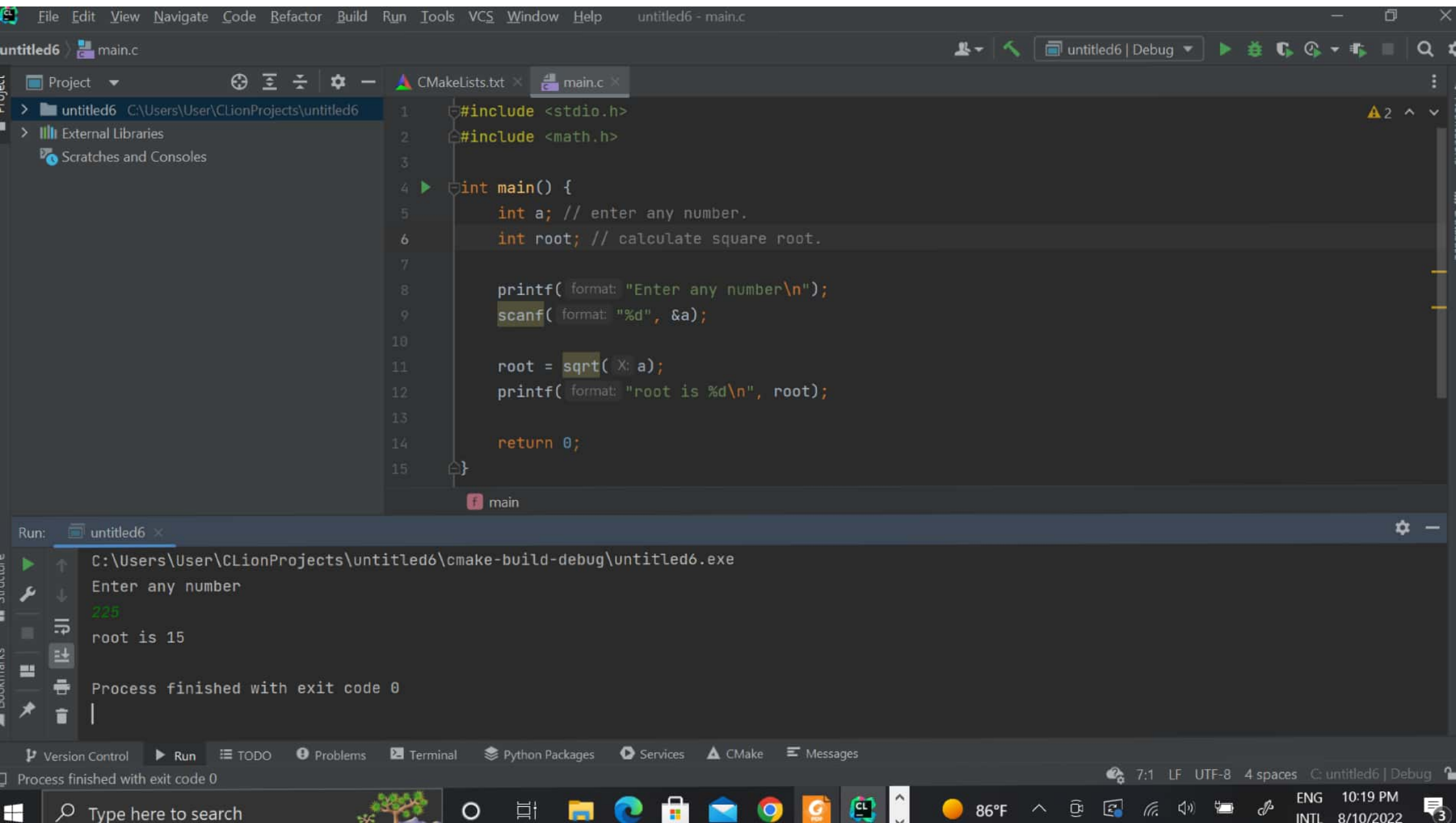
The screenshot shows the CLion IDE interface. The main editor displays a C program in `main.c` that calculates the third angle of a triangle given two angles. The code is as follows:

```
1  #include <stdio.h>
2
3  int main() {
4      int a,b,c; // 'a','b','c' means angles of a triangle.
5
6      a = 30;
7      b = 60;
8
9      c = 180 - (a+b);
10     printf( format: "c is %d\n", c);
11
12     return 0;
13 }
```

The left sidebar shows the project structure for `untitled4`, including `CMakeLists.txt` and `main.c`. The bottom panel shows the Run output for `untitled4`, indicating the program executed successfully and printed the result:

```
C:\Users\User\CLionProjects\untitled4\cmake-build-debug\untitled4.exe
c is 90
Process finished with exit code 0
```

The status bar at the bottom indicates the build finished in 347 ms (moments ago) and shows the current settings: 13:2, LF, UTF-8, 4 spaces, C: untitled4 | Debug.



```
1  #include <stdio.h>
2  int main() {
3      float subject1; // first subject's marks to be entered by user.
4      float subject2; // second subject's marks to be entered by user.
5      float subject3; // third subject's marks to be entered by user.
6      float subject4; // fourth subject's marks to be entered by user.
7      float subject5; // fifth subject's marks to be entered by user.
8      float sum; // total of subjects.
9      float avg; // average of subjects.
10     float per; // percentage of subjects.
11
12     printf( format: "Enter mark of first subject\n");
13     scanf( format: "%f", &subject1);
14     printf( format: "Enter mark of second subject\n");
15     scanf( format: "%f", &subject2);
16     printf( format: "Enter mark of third subject\n");
17     scanf( format: "%f", &subject3);
18     printf( format: "Enter mark of fourth subject\n");
19     scanf( format: "%f", &subject4);
20     printf( format: "Enter mark of fifth subject\n");
21     scanf( format: "%f", &subject5);
22
23     sum = subject1 + subject2 + subject3 + subject4 + subject5;
24     printf( format: "sum is %f\n", sum);
```



untitled5 - main.c

Project | untitled5 | External Libraries | Scratches and Consoles

```
24 printf( format: "sum is %f\n", sum);
25
26 avg = sum/5;
27 printf( format: "avg is %f\n", avg);
28
29 per = (sum/500) * 100;
30 printf( format: "per is %f\n", per);
31
32 return 0;
33 }
```

Run: untitled5

Enter mark of first subject  
77  
Enter mark of second subject  
88  
Enter mark of third subject  
66  
Enter mark of fourth subject  
66  
Enter mark of fifth subject  
88  
sum is 385.000000  
avg is 77.000000  
per is 77.000000

Build finished in 202 ms (2 minutes ago)

17:11 LF UTF-8 4 spaces C: untitled5 | Debug ENG INTL 7:59 PM 8/10/2022

```
#include <stdio.h>

int main() {
    int dis; // the distance of travel.
    int flue; // the flue of spent.
    int avg; // distance for one liter.

    printf( format: "Enter the travel distance\n");
    scanf( format: "%d", &dis);
    printf( format: "Enter the spent flue\n");
    scanf( format: "%d", &flue);

    avg = dis/flue;
    printf( format: "avg is %d\n", avg);

    return 0;
}
```

Run: untitled6

```
C:\Users\User\CLionProjects\untitled6\cmake-build-debug\untitled6.exe
Enter the travel distance
240
Enter the spent flue
80
avg is 3
```

Process finished with exit code 0

9:1 LF UTF-8 4 spaces C:\untitled6 | Debug

The image shows the CLion IDE interface with a C program open in the editor. The program calculates the net salary based on user input for hours and hourly rate, and predefined values for gross salary, deduction rate, and deduction.

```
1  #include <stdio.h>
2  int main() {
3      int x1; // number of hours.
4      int x2; // hourly rate.
5      int x3; // gross salary.
6      float x4; // deduction rate.
7      int x5; // deduction.
8      int x6; // net salary.
9
10     printf( format: "Enter number of hours\n");
11     scanf( format: "%d", &x1);
12     printf( format: "Enter hourly rate\n");
13     scanf( format: "%d", &x2);
14
```

The Run window shows the program execution output:

```
Enter number of hours
100
Enter hourly rate
250
x3 is 25000
Entre deduction rate
0.08
x5 is 2000
x6 is 23000
```

The status bar at the bottom indicates the build finished in 318 ms (2 minutes ago).



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untitled6 main.c

Project

- untitled6 C:\Users\User\CLionProjects\untitled6
- External Libraries
- Scratches and Consoles

CMakeLists.txt main.c

```
15 x3 = x1 * x2;
16 printf( format: "x3 is %d\n", x3);
17
18 printf( format: "Entre deduction rate\n");
19 scanf( format: "%f", &x4);
20
21 x5 = x3 * x4;
22 printf( format: "x5 is %d\n", x5);
23
24 x6 = x3 - x5;
25 printf( format: "x6 is %d\n", x6);
26
27 return 0;
28 }
```

main

Run: untitled6

```
Enter number of hours
100
Enter hourly rate
250
x3 is 25000
Entre deduction rate
0.08
x5 is 2000
x6 is 23000
```

Version Control Run TODO Problems Terminal Python Packages Services CMake Messages

Build finished in 318 ms (3 minutes ago)

21:18 LF UTF-8 4 spaces C: untitled6 | Debug

Type here to search

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ENG 10:06 PM