

About Me

I am from DFW. I decided to attend OSU on the recommendation of an alumnus friend of mine. He currently works for a big bank making \$110k before he even graduated this program. I am currently a programming/IT teacher and love teaching but it just does not pay enough. My coding interests are primarily in web development, but I am enjoying learning more about other languages. My general interests are Nintendo, stock trading, and most geek culture topics. I also like to be outside hiking, camping, backpacking, etc. I have previously graduated with two degrees in Child Development and Psychology. After graduation, I would love to become a software developer. In 5 or 10 years, I would like to move up to a management position. I have zero interest in research. I have experienced a computer science perception problem as a teacher daily. Often, girls are discouraged from computer science because they think it is “just for boys” or “it’s too hard”. I will say that there are boys that say CS is too hard also, but it is a much smaller proportion. One of my personal missions as a teacher has been to cultivate a love for CS, in particular targeting girls. It is my personal belief that every industry benefits from more diversity, and so I strive to build students’ confidence in CS. I actually had one of my girl students come in 2nd at our school’s hackathon! It made me feel good.

Programming Experience

I have been a high school programming teacher for 2 years now. We focus primarily on HTML/CSS/JavaScript/JQuery. It is mostly the basics, and thus I consider myself an amateur at best. We typically just use any text editor such as Sublime to code our websites. This CS program has been humbling because I realize now just how much I didn’t know. It has been very enjoyable to sharpen my saw through learning about the various topics in 161/162/225. I think coding is cool, and so far the classes have been fun, although stressful at times.

First Program Screenshots:

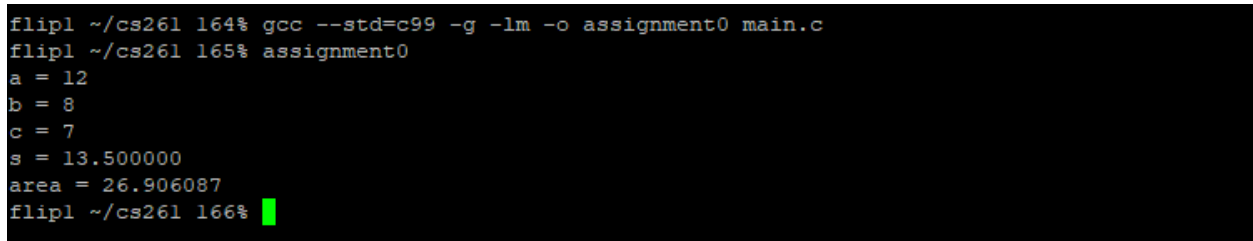
IDE Output:



The screenshot shows the 'Run' window of an IDE. The title bar says 'Run: Build All x'. The main area displays the output of a program execution. The path to the executable is 'C:\Users\Kev\Desktop\CS\261\Assignment0\cmake-build-debug\Assignment0.exe'. The output consists of several lines of text: 'a = 12', 'b = 8', 'c = 7', 's = 13.500000', and 'area = 26.906087'. Below this, it says 'Process finished with exit code 0'. On the left side of the window, there is a vertical toolbar with icons for running, stepping through code, and other debugging actions. At the bottom of the window, a status bar also indicates 'Process finished with exit code 0'.

```
Run: Build All x
C:\Users\Kev\Desktop\CS\261\Assignment0\cmake-build-debug\Assignment0.exe
a = 12
b = 8
c = 7
s = 13.500000
area = 26.906087
Process finished with exit code 0
Process finished with exit code 0
```

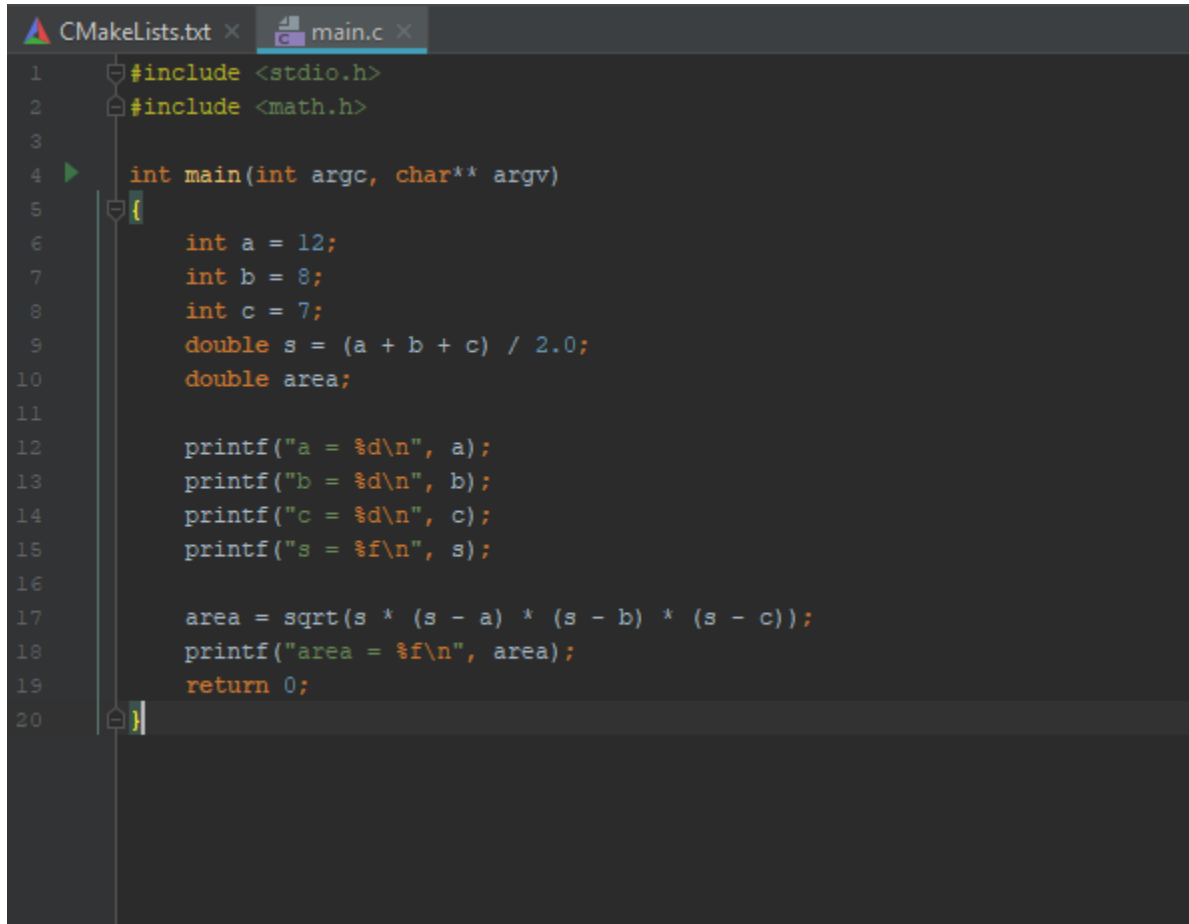
OSU Engineering Server Output:



The screenshot shows a terminal window on the OSU Engineering Server. The prompt is 'flipl ~/cs261 164%'. The user enters the command 'gcc --std=c99 -g -lm -o assignment0 main.c'. The prompt changes to 'flipl ~/cs261 165%'. The user enters the command 'assignment0'. The output of the program is displayed: 'a = 12', 'b = 8', 'c = 7', 's = 13.500000', and 'area = 26.906087'. The prompt changes to 'flipl ~/cs261 166%' and a green cursor is visible.

```
flipl ~/cs261 164% gcc --std=c99 -g -lm -o assignment0 main.c
flipl ~/cs261 165% assignment0
a = 12
b = 8
c = 7
s = 13.500000
area = 26.906087
flipl ~/cs261 166% █
```

Source code:



```
1  #include <stdio.h>
2  #include <math.h>
3
4  int main(int argc, char** argv)
5  {
6      int a = 12;
7      int b = 8;
8      int c = 7;
9      double s = (a + b + c) / 2.0;
10     double area;
11
12     printf("a = %d\n", a);
13     printf("b = %d\n", b);
14     printf("c = %d\n", c);
15     printf("s = %f\n", s);
16
17     area = sqrt(s * (s - a) * (s - b) * (s - c));
18     printf("area = %f\n", area);
19     return 0;
20 }
```