

Clinton Hawkes

CS261-400

Assignment 0

Introduction:

My name is Clinton, but I go by Clint. I was born and raised in Blackfoot, Idaho. It's a tiny town of 10,000 people, and everybody seems to know everybody. I don't really like the fact that everybody knows your business, but it is a nice town to live in. This area is close to the mountains, so I enjoy fishing, camping, and going on hikes with my daughter. I also like to cook a variety of food in my spare time. Whether it's grilling the perfect steak or making Thai green curry, I love it.

I received my first bachelor's degree from Idaho State University. I had a difficult time deciding whether I wanted to pursue economics or computer science, and in the end, I chose economics. One of the economics professors swayed me in that direction. He taught the concepts in a manner that developed real enjoyment for me. After graduating from ISU with a bachelor's in economics, I felt the need to move from my quiet town. In the past 10 years I have lived in ID, NC, TX, OK, and NM. My favorite thus far has been Texas, and I plan to move back after I graduate from this program at OSU. There seems to be a lot of opportunity for computer science majors in Texas, so I hope to get an internship or position there.

I honestly don't know what I want to do after this program. I know that I enjoy programming, but there are a lot of areas in computer science that interest me. I came into this program thinking that I did not want to become a web developer. Now I am not so sure. I don't think I fully understand what web development entails. I plan to gain a better understanding of the different options available before I make any decisions.

I have loved this CS program at OSU thus far. There are a lot of things done right (in my opinion), and a lot of things that need improvement. I know there is a large variance in the amount of coding experience each student possesses, and I tend to let most of my gripes slide because of this. You can't make everybody happy, and I think OSU is providing a good education overall.

## Flip Screen Shot

```
clint@debian:~$ ssh flip
Last login: Sat Jun 29 17:50:03 2019 from 173.239.232.112
=====
This system is strictly for use by faculty, students, and staff of
the College of Engineering, Oregon State University.

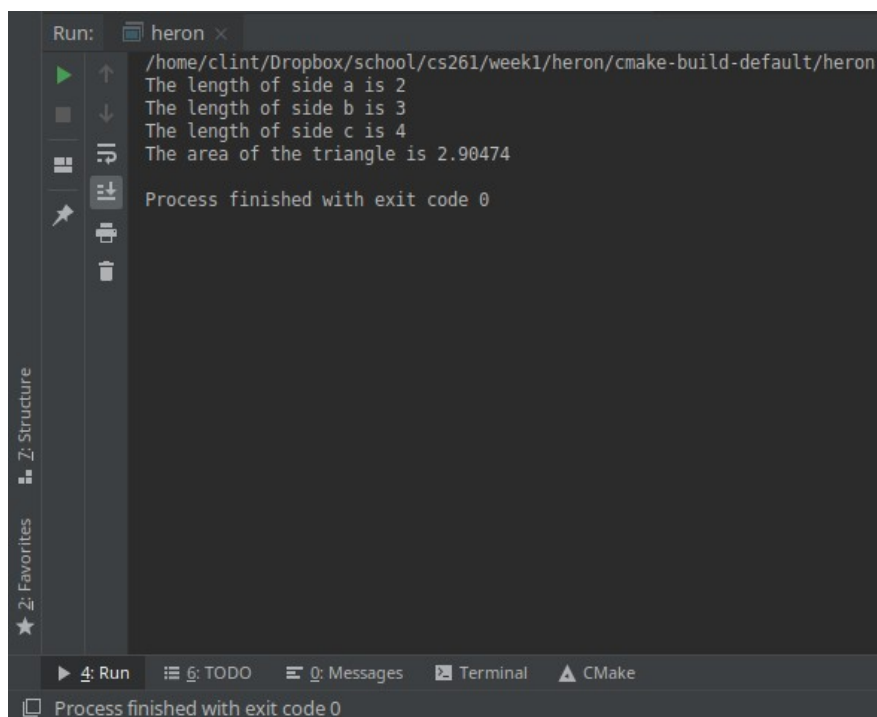
Unauthorized access is prohibited - violators will be prosecuted

Use should be consistent with the OSU Acceptable Use Policy
as well as College of Engineering policies and guidelines.
Refer to http://it.engineering.oregonstate.edu

=====
Quotas are used for home directories, incoming email, and printing.
For details, check:
http://it.engineering.oregonstate.edu
-----
If you have any problems with this machine, please mail support@engr.orst.edu
=====

flip3 ~ 1001$ ls
cs261  CS290  mail  perl5  public_html  Windows.Documents
flip3 ~ 1002$ cd cs261/
flip3 ~/cs261 1003$ ls
main.c  output
flip3 ~/cs261 1004$ gcc -std=c99 -Wall main.c -o output -lm
flip3 ~/cs261 1005$ ./output
The length of side a is 2
The length of side b is 3
The length of side c is 4
The area of the triangle is 2.90474
flip3 ~/cs261 1006$
```

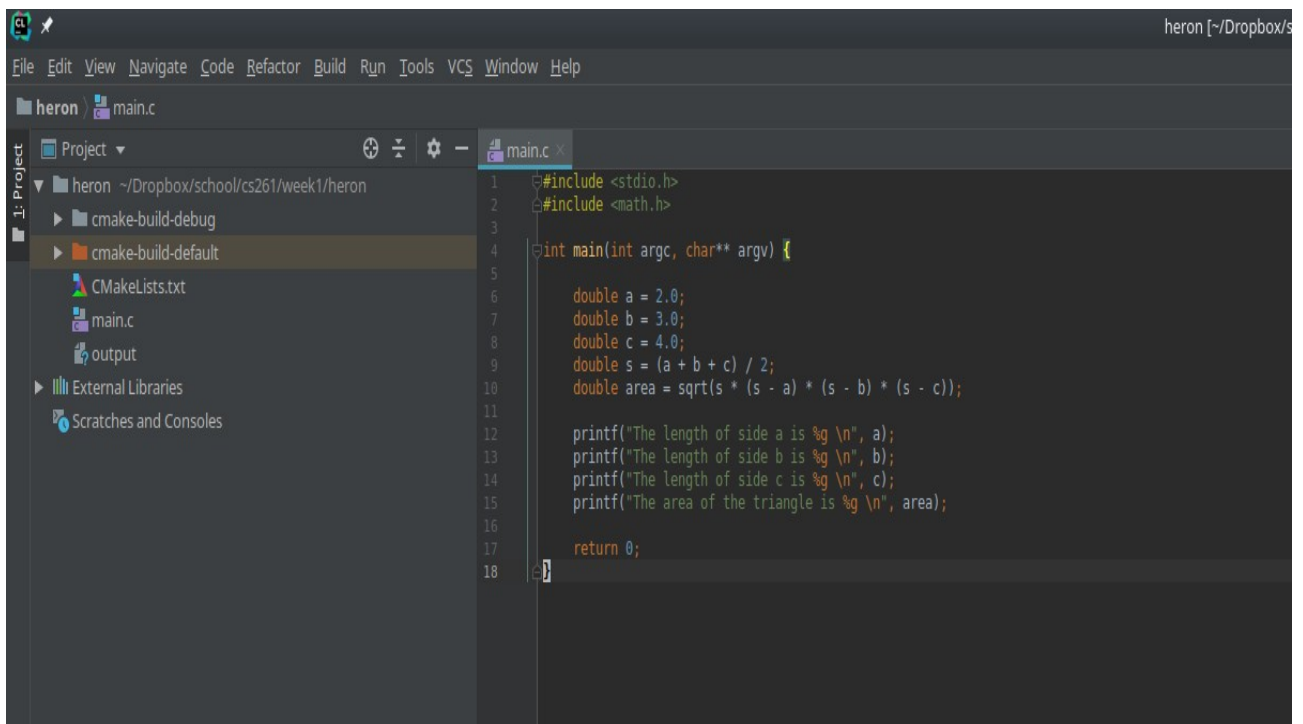
## IDE Screen Shot



```
Run: heron x
/home/clint/Dropbox/school/cs261/week1/heron/cmake-build-default/heron
The length of side a is 2
The length of side b is 3
The length of side c is 4
The area of the triangle is 2.90474
Process finished with exit code 0
```

Process finished with exit code 0

## Source Code Screen Shot



The screenshot shows an IDE window titled "heron [~/Dropbox/s...]" with a menu bar (File, Edit, View, Navigate, Code, Refactor, Build, Run, Tools, VCS, Window, Help). The left sidebar displays a project tree for "heron" located at "~/Dropbox/school/cs261/week1/heron". The tree includes folders "cmake-build-debug" and "cmake-build-default", and files "CMakeLists.txt", "main.c", "output", "External Libraries", and "Scratches and Consoles". The "main.c" file is open in the editor, showing the following C code:

```
1 #include <stdio.h>
2 #include <math.h>
3
4 int main(int argc, char** argv) {
5
6     double a = 2.0;
7     double b = 3.0;
8     double c = 4.0;
9     double s = (a + b + c) / 2;
10    double area = sqrt(s * (s - a) * (s - b) * (s - c));
11
12    printf("The length of side a is %g \n", a);
13    printf("The length of side b is %g \n", b);
14    printf("The length of side c is %g \n", c);
15    printf("The area of the triangle is %g \n", area);
16
17    return 0;
18 }
```