Brandon Lo
1/7/17
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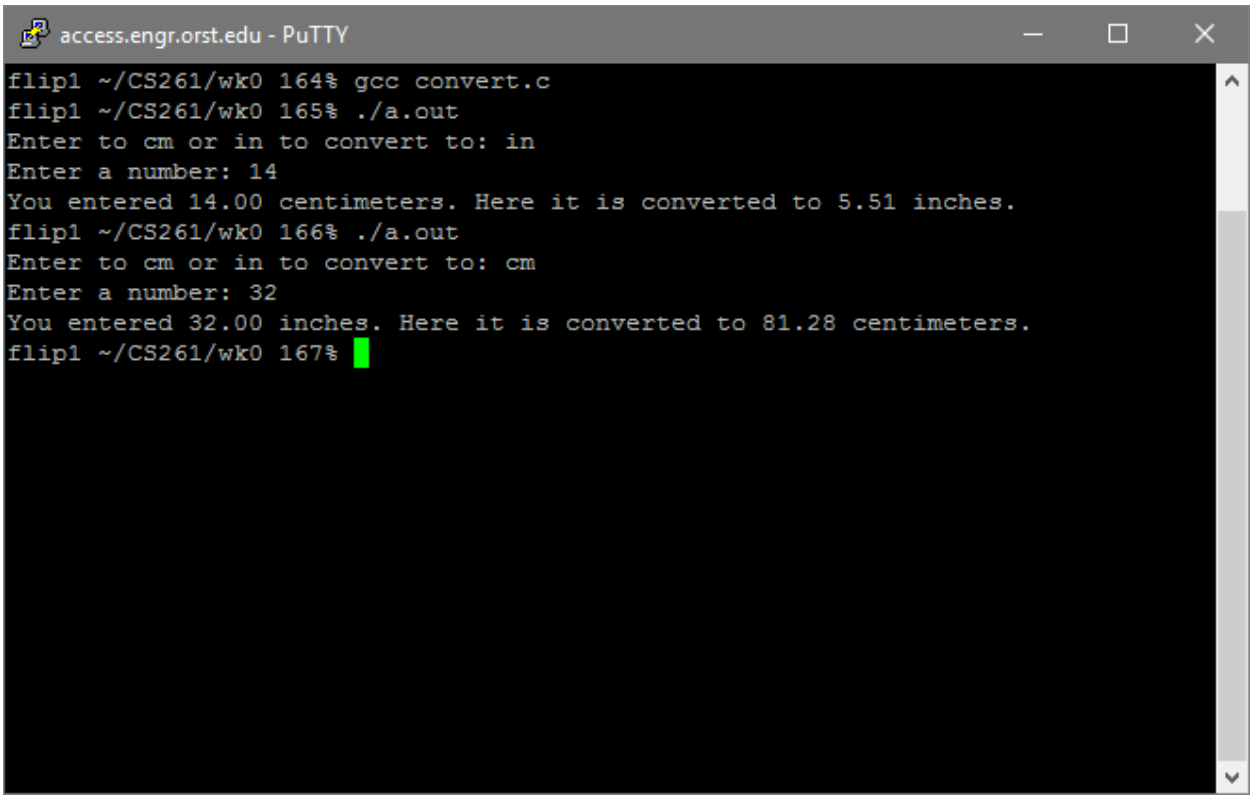
My name is Brandon Lo and I am from South San Francisco, California. I graduated from University of California, Santa Barbara with a bachelor's of science in biological sciences in June 2016. Currently I am working part time in a small accounting firm in bay area doing various office work and accounting. I have some prior experience programming from a few computer science courses that I enrolled in UC Santa Barbara. I took my first computer science course in my junior year and I loved it. I took a few more computer science courses and decided that I wanted to learn about and solidify my foundations in computer science. We mainly used C++ for the intro to programming classes and data structures, but I am also very familiar with programming in python. After taking all the computer science classes offered to non-computer science majors, I practiced programming in my free time by doing some small projects. Currently I am developing a web novel tracking app that runs hourly. When a novel is inserted, it gets added to a database, then the inputted name is searched for by web scraping, and the app then sends an email when the novel is updated. Currently the back end is finished and now I am migrating the project from command line interface and SQLlite to Django and Postgres. Even though I practice my programming with most of free time, I felt that my programming foundations weren't good enough for a career in the field. Thus, after I graduated I looked into a few programs and I chose to apply and enroll in the Oregon State University post baccalaureate program mainly due to its convivence and affordability. After I graduate, I hope that I can attain a job as a software development engineer preferably back end oriented.

When I don't spend my time programming I also cycle with the rest of my free time. In my university I raced bikes for three years. I raced across California and loved the experience of exploring new places.

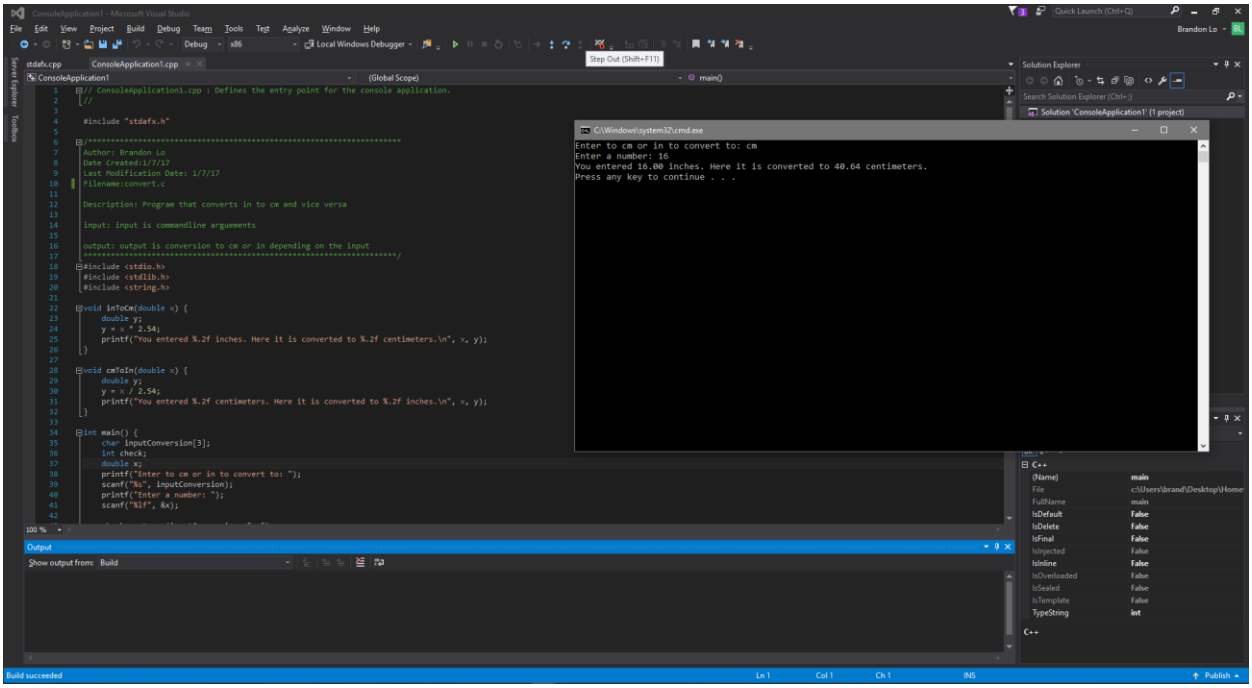
My current programming experience is about three years with python and C++, 1 year with SQL, html/CSS/XML, JavaScript, Java, and R. I've taken three undergraduate courses at UCSB, 2 intro to programming courses and a data structures course. I also have attended a hackathon and am familiar with Android development due to it.

Screenshots and source code.

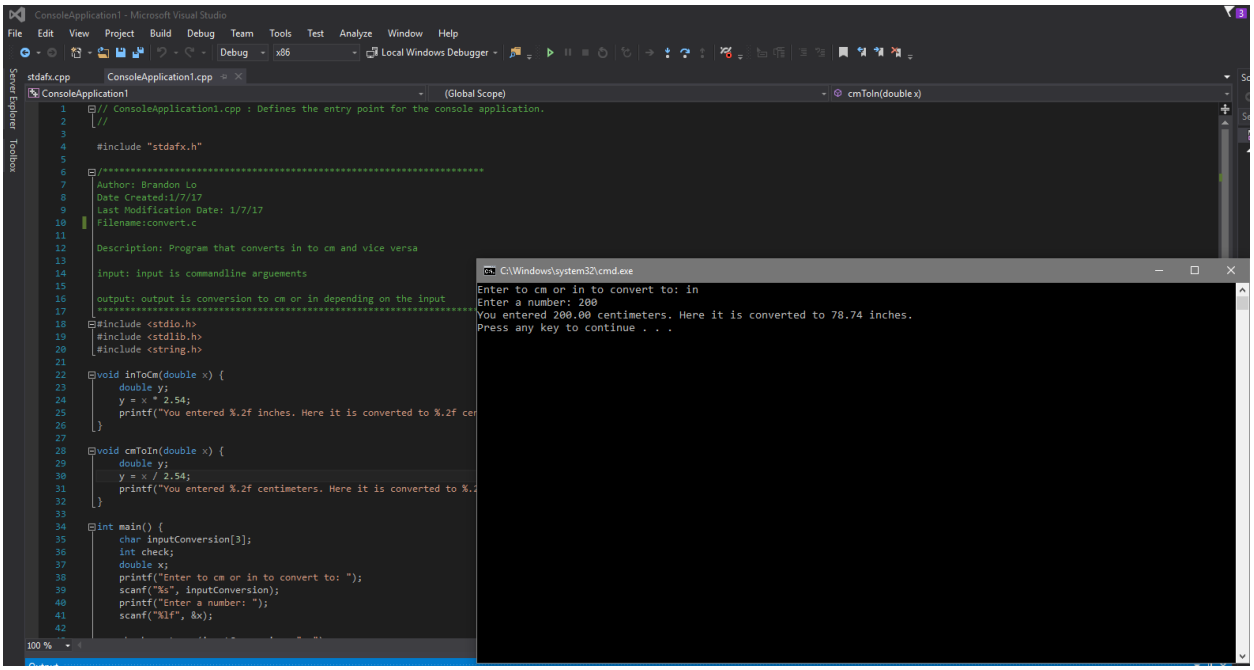
Flip Terminal:



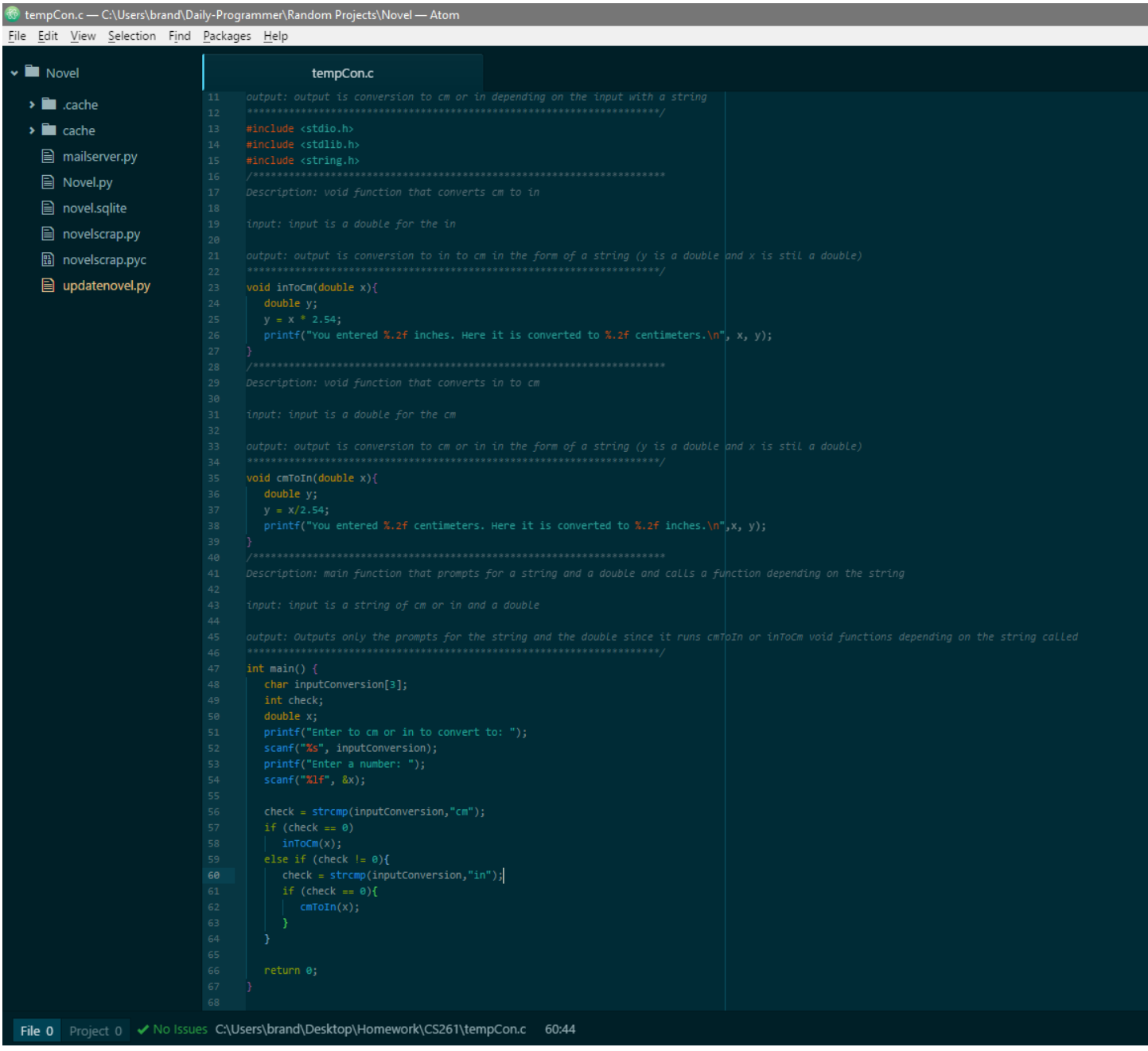
Visual Studios- inToCm function (let me know if you need a more zoomed in picture. Unsure of how much you wanted to see. The cmToIn has a more zoomed in screenshot.)



Visual Studios- cmToIn function



Screenshot of Source Code



If you cannot see the code here it is pasted

```
/*****************************************************************
Author: Brandon Lo
Date Created:1/7/17
Last Modification Date: 1/7/17
Filename:convert.c

Description: Program that converts in to cm and vice versa

input: input is a string of cm or in and a double

output: output is conversion to cm or in depending on the input with a string
*****************************************************************/
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
/*****************************************************************
Description: void function that converts cm to in

input: input is a double for the in

output: output is conversion to in to cm in the form of a string (y is a double and x is stil a
double)
*****************************************************************/
```

```
void inToCm(double x){
  double y;
  y = x * 2.54;
  printf("You entered %.2f inches. Here it is converted to %.2f centimeters.\n", x, y);
}
/*****************************************************************
```

Description: void function that converts in to cm

input: input is a double for the cm

output: output is conversion to cm or in in the form of a string (y is a double and x is stil a double)

```
*****************************************************************/
void cmToIn(double x){
  double y;
  y = x/2.54;
  printf("You entered %.2f centimeters. Here it is converted to %.2f inches.\n",x, y);
}
/*****************************************************************
```

Description: main function that prompts for a string and a double and calls a function depending on the string

input: input is a string of cm or in and a double

output: Outputs only the prompts for the string and the double since it runs cmToIn or inToCm void functions depending on the string called

**********/

```
int main() {
  char inputConversion[3];
  int check;
  double x;
  printf("Enter to cm or in to convert to: ");
  scanf("%s", inputConversion);
  printf("Enter a number: ");
  scanf("%lf", &x);

  check = strcmp(inputConversion,"cm");
  if (check == 0)
    inToCm(x);
  else if (check != 0){
    check = strcmp(inputConversion,"in");
    if (check == 0){
      cmToIn(x);
    }
  }
```

```
  return 0;
}
```