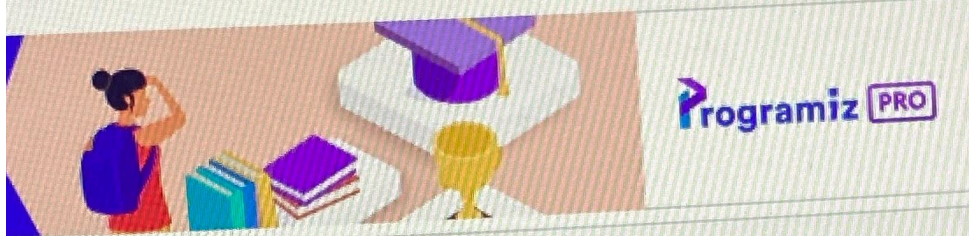My experience this semester before and after taking the CPE007 course has been a quite memorable one. Before actually taking this program, Computer Engineering, I had second thoughts and a lot of contemplating on my mind if I could really survive and excel in this program because I had no experience nor any knowledge in coding. Nevertheless, this program is what I choose to take and CPE007 was one of the courses under the program. I was nervous and unsure before the school year started because I only knew a few terms in programming and knew that wasn't enough. I didn't want to just pass, I wanted to learn.

The first time we were in class and given a task, I struggled and was so nervous that I couldn't get it right or would just give up if the code wouldn't run. But eventually I realized that I would not learn anything if I did not fail or struggled at a task. The course that I was too nervous to attend became the one that I actually enjoyed and started to learn a lot of things. From printing out a text like "Hello world!", to making a system full of structures and arrays that me and my classmates learned from this course and from our professor who guided us through almost everything that we needed to know.

I remember when in our hands-on activities we used to include flowcharts and pseudocodes in our outputs, and to be completely honest I lack the skills to make a proper flowchart and pseudocode. Despite the struggle, I still learned and did better while going through our prelims and midterms. Also, our first few programming assignments were not as good as my recent ones but that's one of the things that made me realize, even if someone has no prior experience or knowledge on something, they can still learn and excel at it, because that's what happened to me. Just to add, the most difficult topic for me that was thought to us was arrays and the most topic that I enjoyed were structures. The enjoyment and fun times slowly faded in my experience because I became overstimulated with everything that's going on and I am easily pressured when it comes to my academics. A lot of things happened during our final term, few good ones but mostly bad ones, there were a lot of reasons and times that almost made give up and actually just loose interest in this program. But I still pushed through and survived this course and I could say that I really learned something from the CPE007 course.

My first code:

be – with step-by-step code visualization. Try now!

Output

```
Hello World!

=== Code Execution Successful ===
```

One of my recent codes:

```cpp
#include <iostream>
using namespace std;



int celsius(int f) {
    return (f - 32) * 5 / 9;
}



int fahrenheit(int c) {
    return (c * 9 / 5) + 32;
}

int main() {
    cout << "Celsius to Fahrenheit:" << endl;
    cout << "Celsius\tFahrenheit" << endl;
    for (int c = 0; c <= 100; c += 10) {
        cout << c << "\t" << fahrenheit(c) << endl;
    }

    cout << "\nFahrenheit to Celsius:" << endl;
    cout << "Fahrenheit\tCelsius" << endl;
    for (int f = 32; f <= 212; f += 20) {
        cout << f << "\t\t" << celsius(f) << endl;
    }

    return 0;
}
```

```
Celsius to Fahrenheit:
Celsius Fahrenheit
0       32
10      50
20      68
30      86
40      104
50      122
60      140
70      158
80      176
90      194
100     212

Fahrenheit to Celsius:
Fahrenheit  Celsius
32      0
52      11
72      22
92      33
112     44
132     55
152     66
172     77
192     88
212     100

Process finished with exit code 0
```