Report: Opinion on PGP coursework 1

In my opinion, this assignment is not too hard nor too easy. I have a lot freedom to code it. Even though, at the beginning I got really confused the solution that was given in the slide but after a few times of re-reading, I finally understand it. It took me quite some time to finish. Half of the time is me cracking up the code in my brain. It took me some time to think or figure out a structure for my whole code. But in the end, I manage to write a full, complete and runnable code. I’m really satisfy about my code because it run really smoothly. Overall, I really like this assignment.

One of the difficulties I faced is coding the probability of the Covid spread. Originally my code for the probability is “int probability =((rating+group)/12)/95 “. I run it and the result I get is 0. Maybe I have a brain fart or my brain is stuck or something, I kept on changing the location of code like I put the code in the main method, kept on rerunning it. After that I make a method just to calculate this probability but in the end, I still get zero. I ended up being so frustrated. After that I separated the code from “int probability =((rating+group)/12)/95 “to “int addition = rating + group, int division = addition / 12, int probability = division \* 95”, and here I found my mistake. I forgot that when I uses int data type the result will be in int rather in float or double. So here I noticed that when (rating + group)/12, even though the answer is 0 point something but since it is int date type, the result is 0 and when 0 \* 95 the answer will be 0. When I found out the mistake, I felt so relieved and I think to myself “How dumb can I be.”. Anyway, in the I change the data type to double and then I return the result in int data type. This is one of the ‘big’ frustration I had, but what is programming without frustration, am I right? Anyway, I did encounter other difficulties but it doesn’t give me any hard time because I can search the solution easily online.

In this assignment, I learn a lot of method. For example, the Rand() method. It also let me further understand the classes and object. And let not forget, it make me remember that int data type return int data not float nor double.