Thursday 19 June 2025

Finally, I have independently tackled a question about floating-point in the data lab of CSAPP. It is the first time that I sovle such a difficult problem by myself. At first, I even didn’t understand the question. Whereas, I gradually understand it after reading it for three times. English is a language with strict grammatical structure even though its pronunciation is not so easy with fixed patterns. After I understand the question, I tried to finish the lab. As a programmer, it is reliable to test every step. I felt confident when I knew the testing results before I started doing the next test. Slowy but gradually, after many tests I achieved my goal.

That is a sigficant milestone for me as a software engineer. Furthermore, I found “GDB”, which is an acronym of GNU Debugger, very useful when I am trying to spot bugs in my C code. Presumably, since I only know some basic commands in GDB, I will learn more about it. C programming language is defintely worth learning because I can delve into the machine with the help of it. It is impossible to do that with Java which is isolated by JVM to so that developers make less mistakes when using it.

When I make such a progress today, even though it is minor, I feel extremely happy after learning consantly for about three months at home. It is undoubtbly a good news and is therefore encouraging. It is worth my time reading CSAPP which is a weighty tome with over one thousand pages.