Chapter 14. Code Reviews

**Three Things I learned today**

1. **Before** - I didn’t know that code reviews isn’t followed in every organization but it’s not actually the case, company can choose not to follow the process.

**After** - I learned about code review, not every organization go through such process because it’s counter-productive to some of the programmers.

1. **Before** - I thought that every member in each team after creating a code they will send their code for checking to the senior developer.

**After** - it’s recommended that every team do a code review each week and that everyone in the team with different roles gets to review the code.

1. **Before** - I thought that code review is about checking the code for mistakes and correcting it so there wouldn’t be any error in the program.

**After** - Code review isn’t about correcting the mistakes of other programmers but sharing its knowledge to the team so that the code will grow by understanding and learning from it.

Chapter 15. Coding With Reason

**Three Things I learned today**

1. **Before** - I didn’t know about software correctness and the bad results it can cause to the code.

**After** - Reasoning of software correctness by hand results in a time consumption and is longer than the code which will likely contain more errors

1. **Before** - I didn’t know about the semi-formal reasoning and its underlying approach that will make the reasoning simpler.

**After** - Semi formal reasoning has the underlying approach of dividing the code into short sections and arguing about their correctness.

1. **Before** - I didn’t have knowledge about the importance of good coding practices and what it can do to make reasoning about software correctness easier.

**After** - having good coding practices makes reasoning easier and arguing about your code can led to a better understanding of it.