1.
Iterate on your streaming data labs to:
Name your variables well! A variable name should effectively describe what it does. The same applies to function names.

2.
Iterate on your streaming data labs to:
- Separate serialization and writing to the HD.
- Separate deserialization and reading from the HD.

“Mise en place” as they say in cooking. Seek to separate different logical processes from each other.

3.
Google “Robert C Martin clean code cheat sheet” and then check out the images. A specific image has not been included here because browsing multiple cheat sheets is recommended.

4.
Listen to the following presentations:
The Why of Go
A Philosophy of Software Design | John Ousterhout | Talks at Google
Clean Code - Uncle Bob / Lesson 1

5.
What did you learn from Carmen Andoh?

From Carmen Andoh's speech video, I understand that the Go programming language is designed to meet the complex challenges of contemporary programming project environments with optimizations in simplicity, concurrency, and memory efficiency. She explained that Go can work in the complex environment of large systems and the needs of multiple people to maintain code for a long time. At the same time, her comments emphasized the importance of understanding the basic principles of programming languages and understanding history.

6.
What did you learn from John Ousterhout?

I learned from John Ousterhouts' videos about the points worth noting when developing code. Creating a script should not only make the program reach its purpose but also minimize the complexity. Errors in the development process should also be fixed as early as possible, otherwise they will pile up later. In addition, you should also have good management and notes for your code. Frequent optimization will be of great help in the later stage.

7.
What did you learn from Robert C. Martin?

I learned from Robert C. Martin that it is important to create clean and tidy code and architecture when making a script. In his video, he emphasized that clean code is essential for software development's maintainability, readability, and security. It will also improve the team's efficiency and the professionalism of the entire industry.

8.
Appreciate:
“Simplicity is the ultimate sophistication” - Leonardo Da Vinci
“Simplicity is a great virtue but it requires hard work to achieve it and education to appreciate it. And to make matters worse: complexity sells better” - Edsger Wybe Dijkstra

9.
Hand in your streaming data lab repo link and the answers to 5, 6, 7.