**LOUIE JAY A. CENIZA MARCH 14, 2024**

**OBJECTS AND DATA STRUCTURES (CHAPTER 6)**

**Data Abstraction.** In this lesson, data abstraction can be understood as the process of concealing the internal details of data structures or modules while exposing only essential interfaces or behaviors to the external world.

**Data/Object Anti-Symmetry.** Data structures and Object oriented has a different fundamental, where data structures it typicallyexpose their data directly and typically lack meaningful functions. Objects encapsulate data and behaviors, hiding the internal details of the data behind abstractions and exposing functions to operate on that data.

**The Law of Demeter.** In this lesson I learned that you need to practice of hiding your internal structure and provide meaningful operations, to apply it you need to only call the class which will do the operations.

**Data Transfer Objects.** Or what you called DTO, it is useful when communicating other such as database or parsing messages from sockets, it is the first step of translating the raw data in database into objects in the application code.