Object Oriented Analysis & Design
Module-1 (RL 1.4.1)

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Introduction to OOA & OOD

Object-Oriented Analysis

- An investigation of the problem (rather than how a solution is defined)
- During OO analysis, there is an emphasis on finding and describing the objects (or concepts) in the problem domain.
  - For example, concepts in a Library Information System include *Book* and *Library*.

Object-Oriented Design

- Emphasizes a conceptual solution that fulfils the requirements.
- Need to define software objects and how they collaborate to fulfill the requirements.
  - For example, in the Library Information System, a *Book* software object may have a *title* attribute and a *getChapter* method.
- Designs are implemented in a programming language.
  - In the example, we will have a *Book* class in Java.