Problem Solving Techniques

Course Goals and Non Goals

- **Course Goals**
  - To learn about how to write good program by understanding concepts like
    - Readability
    - Maintainability
    - Modularity
    - Defensive programming
    - Algorithm analysis and design
  - To learn about how to write pseudocode in design phase
  - To develop robust programs by performing Code
- **Course Non Goals**
  - To learn any specific language features in this course.

Intended Audience

- **Developers**

Day Wise Schedule

- **Day 1**
  - Lesson 1: Introduction to Program development with Algorithm and pseudocode
  - Lesson 2: Algorithm Analysis and Design
  - **Lesson 3: Algorithm Design Techniques**
- **Day 2**

  Lesson4: Some more data structure

- **Day 3**
  - **More examples from Question bank**
  - **Module end test**

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Next Step Courses

- **Any programming language**