

# Software Development Life Cycle

## 1) Requirement specification

- # Problem Definition

## 2) Analysis

- # Input format
- # Output format
- # Requirements (formulas, facts, figures, etc..)
- # Constraints (limits, etc..)

## 3) Design

- # Develop a list of steps (an algorithm) to solve the problem.
- # An algorithm is often written in a generic language called pseudocode.
- # Desk check your algorithm.

## 4) Implementation

- # Convert the algorithm developed in the Design phase into a desired programming language (i.e. VB, C++).

## 5) Testing

- # Verify the correctness of your program. (component and overall testing.)

## 6) Maintenance

- # Add to, modify, and maintain the system.