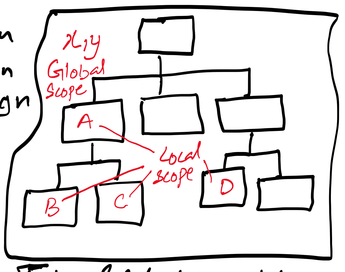
Subroutines - Introduction

Tuesday, 19 January 2021 5:19 PM

- Decomposition
- Modularisation
- Top Down Design



Tasks: Subtasks, modules, subroutines, procedures, functions.

Benefits (Advantages):

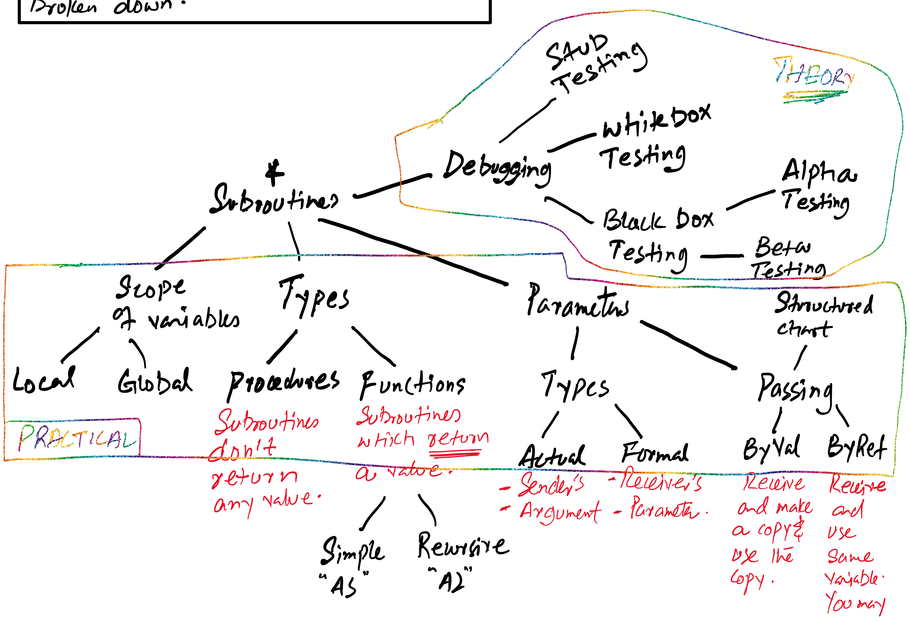
- Faster Development
- A library of modules is created. (Reusability).
- Programmers are given tasks as per their speciality.
- less error prone / less debugging
- Better after development support.

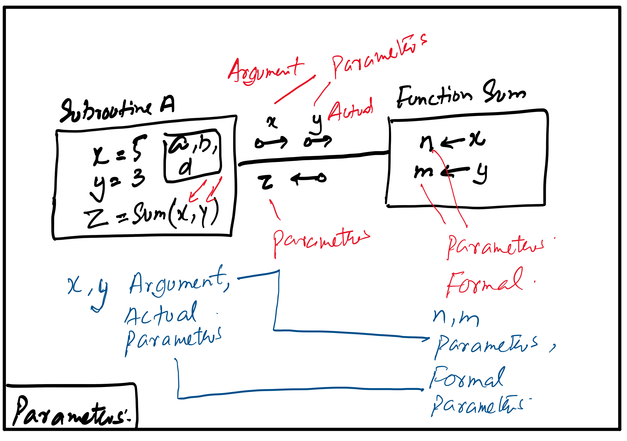
Disadvantages (challenges):

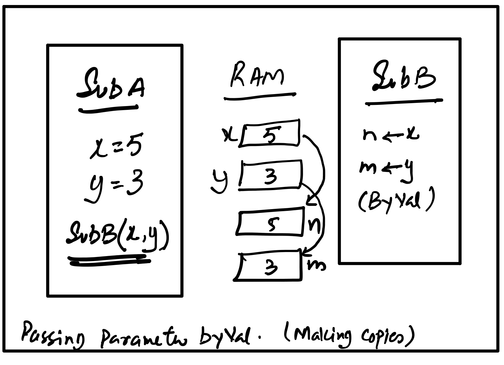
- Putting seperate sub-tasks together will be tough. (Integration)
- Communication among subroutines.

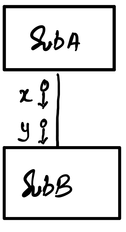
Top Down Design:

Breaking up of a bigger development task into subtasks and reviewing every subtask for any possibility of further breakup. keep doing this until sub-tasks can be further broken down.









Structured Chart.