

# Conceptual Hierarchy

( To be expanded !)

## Procedural Programming

### Language

(Instructions)

#### (Flow) Control Structure

(Sequence that executes Instructions in CPU)

#### Data Structure

(Instructions to set up  
Data Organization  
and Access in RAM)

#### FUNCTIONS

(Operators)

Non-Contiguous  
Repeating  
Sequence

#### Conditional

( Decision operators)

#### Access

(Access operations)

#### Sequence

Complete and correct  
Single  
Sequence

#### Branch/Decision /Selection

Alternative  
Sequences

#### Looping/Repetition /Iteration

Contiguous  
Repeating  
Sequence

#### Array

Contiguous block  
of Variables in RAM.  
Direct or Sequential  
write and read

#### Variable

Contiguous block  
of bytes in RAM.  
Direct write and read

CPU

RAM

