

Top-down decomposition Problem Bottom-up composition of solution

Internal details:

- Data: Local variable Processing: Code

Functions can call other functions.

Defensive Programming
- Pythonic

Lexical scoping -> Inside out

RECURSION.

- 1. Familiar
- 2. natural problem solving method. 0<n≤∞

$$F(n) = 1$$
 if $m = 1$
= $n \times F(n-1)$ otherwise

Program Stack Computational Tree

Elements of program stack - Activation record

(1)Stack overflow Readability

Modularity

Maintainability

Execution speed)

Do étocate is human. Do recuese, divine.