-> **Case Based Situations :**

-> Case Based Evaluation

-s Arithmatic

-s Logical

-> if condition :
   statement

else :
   statement

elif condition :
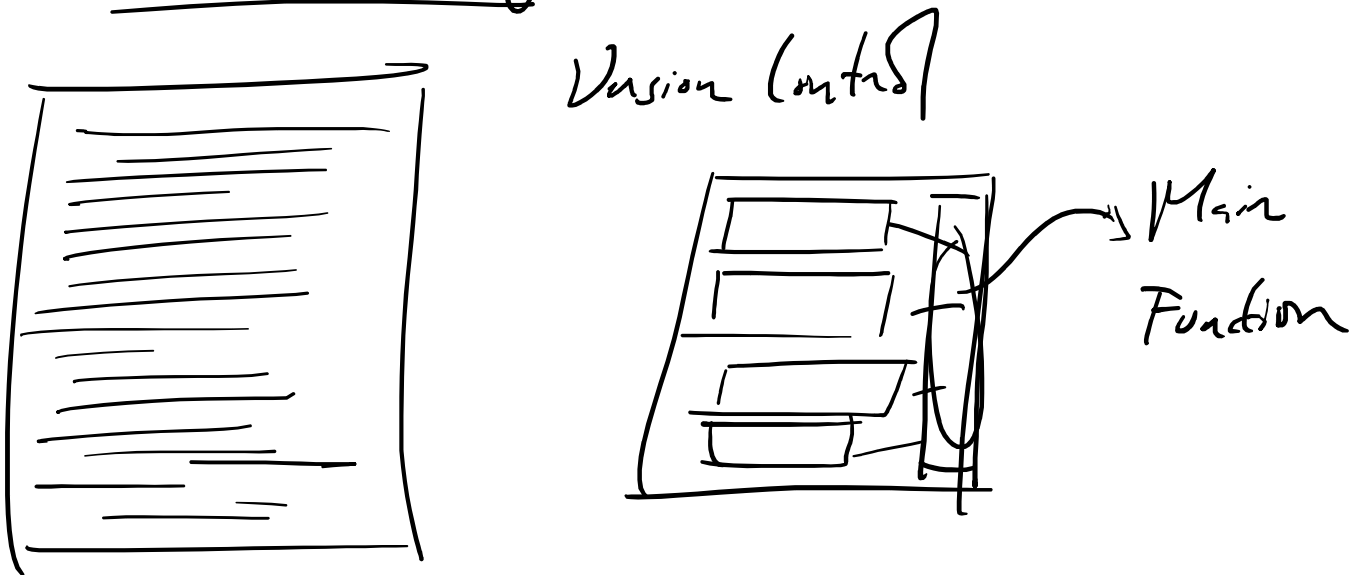   statement

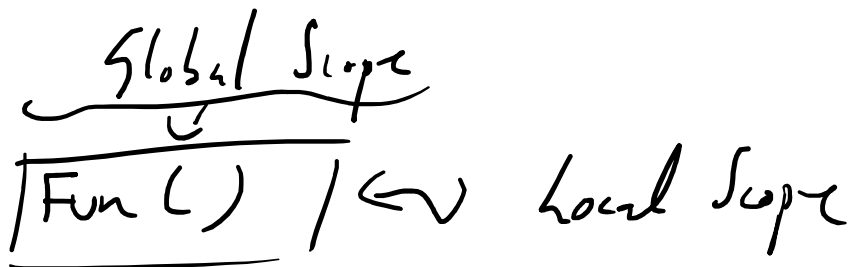-> $(FN < SN)$ AND $(TN < FN)$

Boolean

T		T	- T
T		F	- F
F		T	- F
F		F	- F

→ Code Reusability :

Version Control

→ Scopes : Variable Scopes :

Global Scope

| Fun ( ) | ← Local Scope

→ Time / Space Compliance (Complexity)

| Var=Opr | ✓ n
| return |
         n

$O(n+n) \approx O(n)$

| return opr |

opr × opr

$O(n^2)$
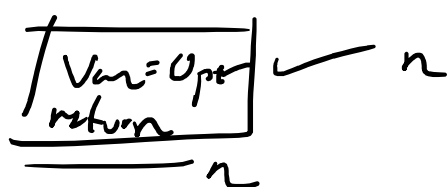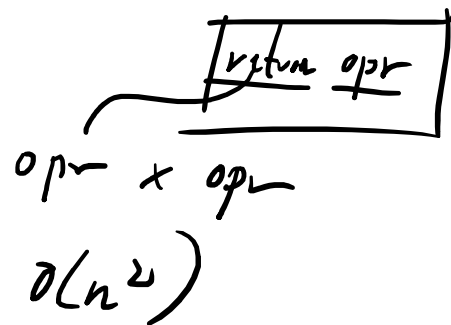
Matrix Factorization

Matrix Factorization

$O(n^n)$

$O(n+\xi)$

→ Math

Logs
(Metadata)

Fragmentation

→ (int) float   int

opr = op
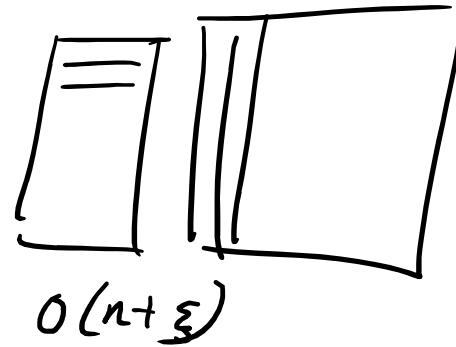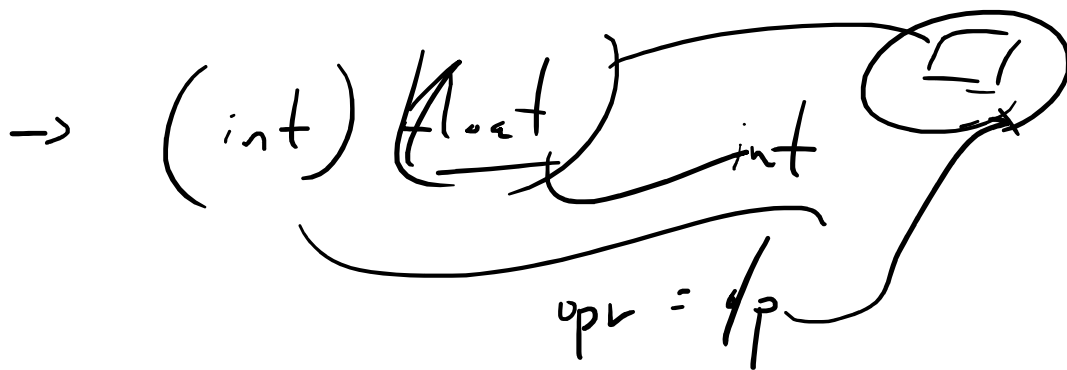
→ Loop : Iterative System

Loop :

Task Serially   Pointers
                     ⇓
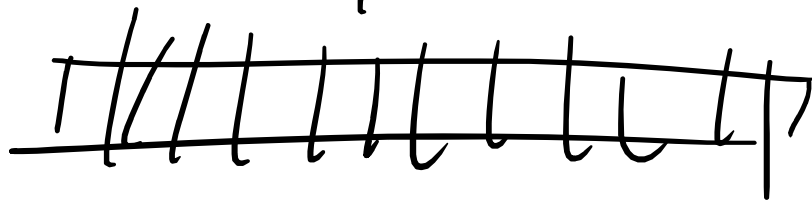   (Operations)

for (i=0; Operation; Iteration) {

--- ---

}

for dynamicVariable in Range:
       operation S Statements

Focus: Operation S Iteration

-> Arrays: Collection of sequential elements.

-> Class S Object

Class   Object

Blueprint   Real Entity

formalized
Steering   [ ] ⟶ [ ] Private Methods

Steering,
Four
wheels
Sents, Outline
Engine

Objects

Methods