# UML Basics

(class Diagram)

Aggreg ation

Association

Com po sition)

#### Class Diagram:

Class Name

+ tyre: Tyre
- yehi\_id: String

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- yehi\_

attribut eg access modifier attributs type

functions

access modifier

+ = public

- = private

# = protected

functName (attributes):

return Type

: Funder-lined then Static ( rehi-id is static)

Relationships between the classes:

1) Association: (Bi-directionar)

A \_ B (A can access B)

B can acress A)

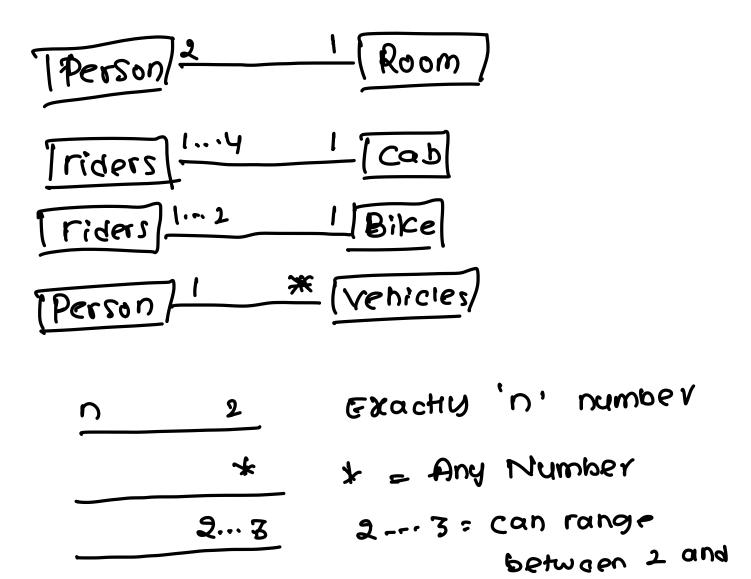
2) Uni-Directional Association:

A -> B (A can access B)

B cannot access A)

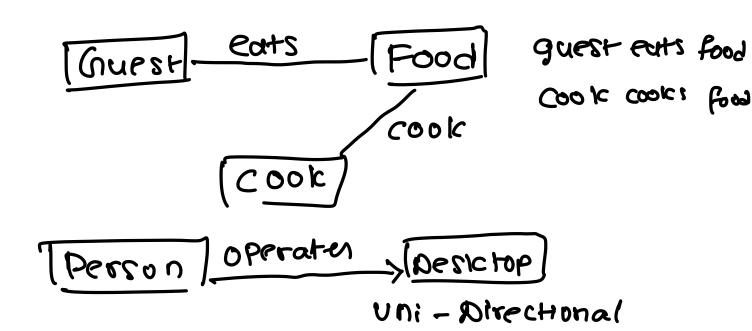
Person Desictor (Person can call pesictor)

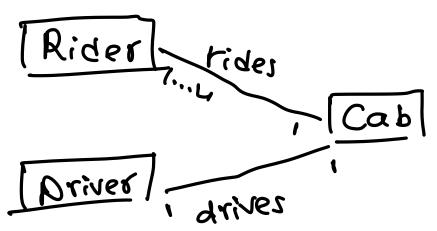
# 3) Muth plicity:



1 --- \* = 1 to any

# 4) Mentioning Texts in Association





HAS\_A-RELATIONSHIP: B canexist without A

- 1) Aggregation (ADB) (Meak)
- a) composition (A -B) (Strong)

B cannot exist without A

1) AGGREGATION:

Tyre can exist independently
(Weak relationship)



Eye cannot exists without Body (strong relationship)

B is part of A

### INH ERIT ANCE:

A - DB (A extends B)

Interface or abstract class:

A.... B (A implements B)

# Interface:



<c >> = interface

A ---- B B is an interface.