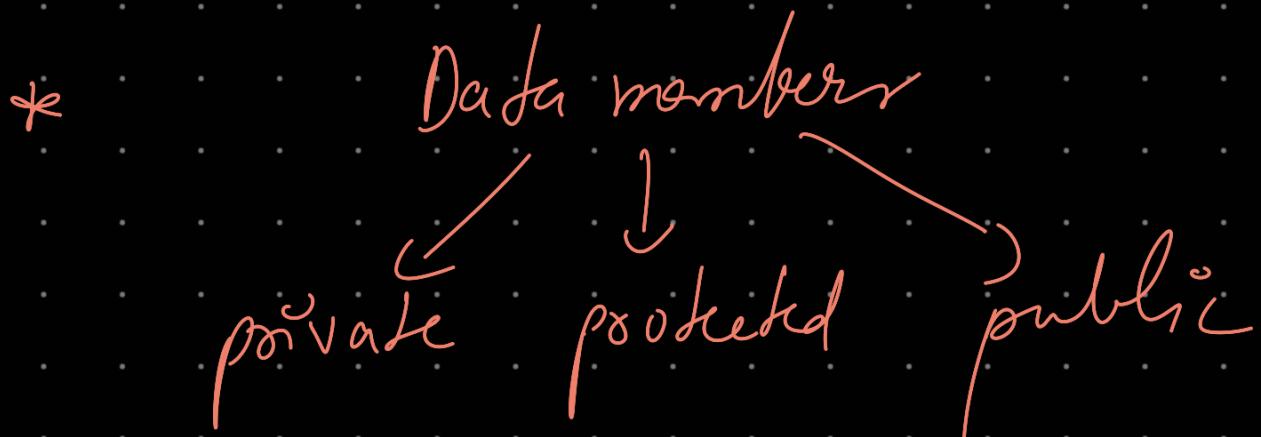


UML (Unified Modelling Language)

↳ Visualizing design of software systems

UML class Diagram

* With class what are things that has to be represented?



* Member functions

private

protected

public

* Relationships

Inheritance

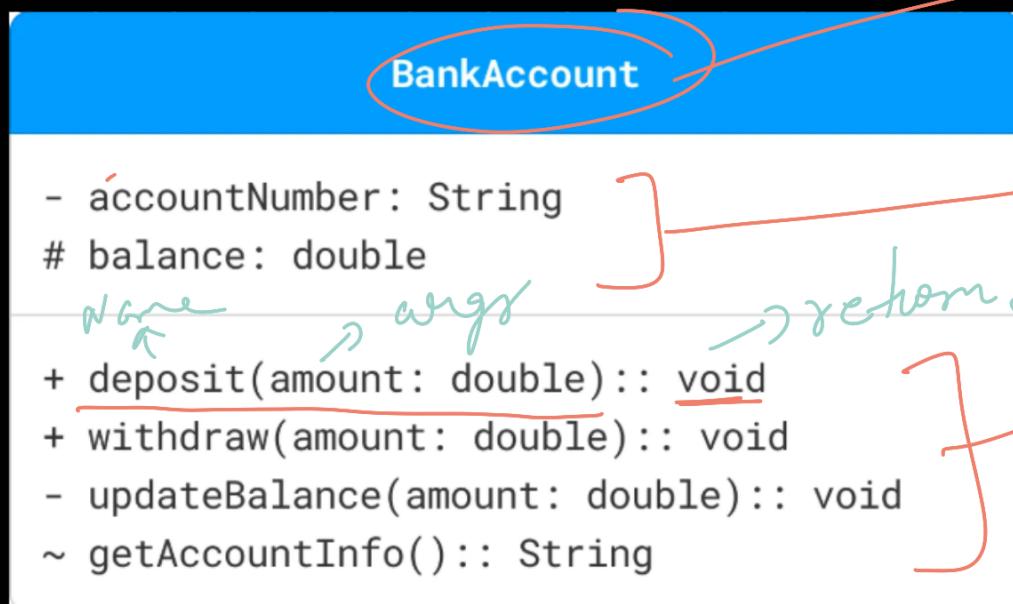
Association

Aggregation

Composition

* Dependency, Implementation.

[Concrete class]



Concrete
class name

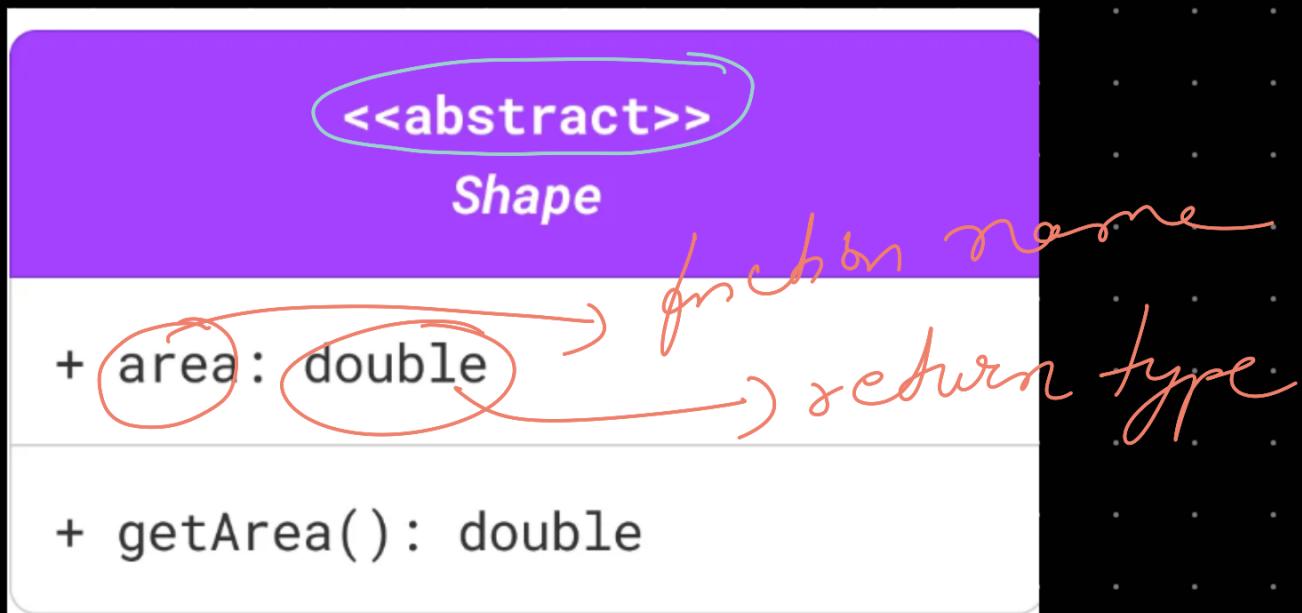
Data
members

return type

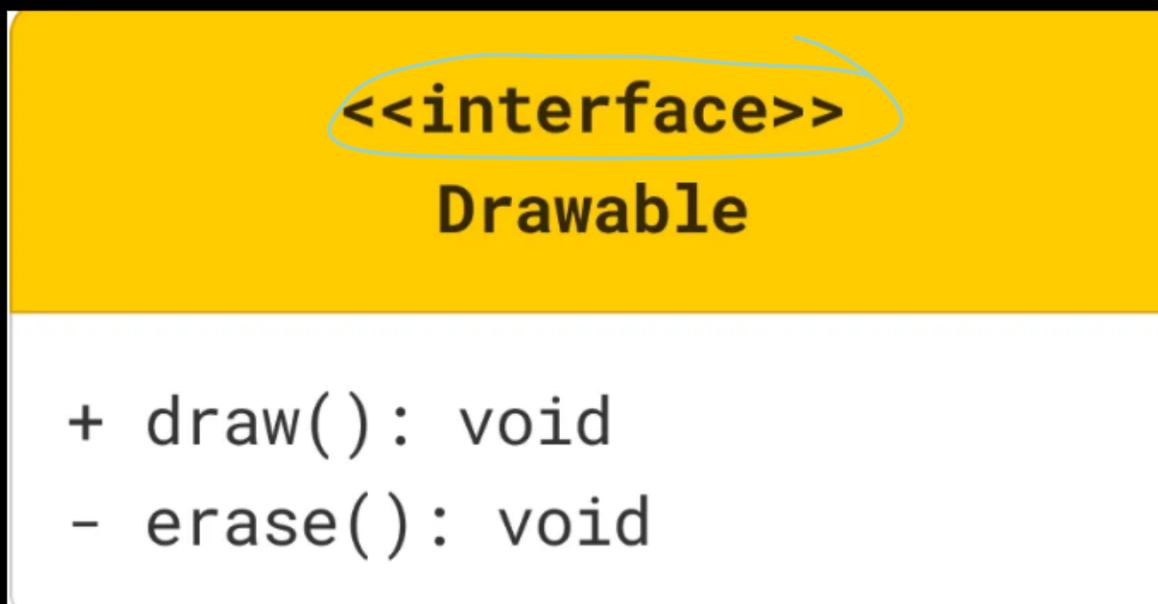
Member
functions

+ → public # → protected
- → private
~ → Some package/file visibility

[Abstract class]



[Interface]



Data members

Person

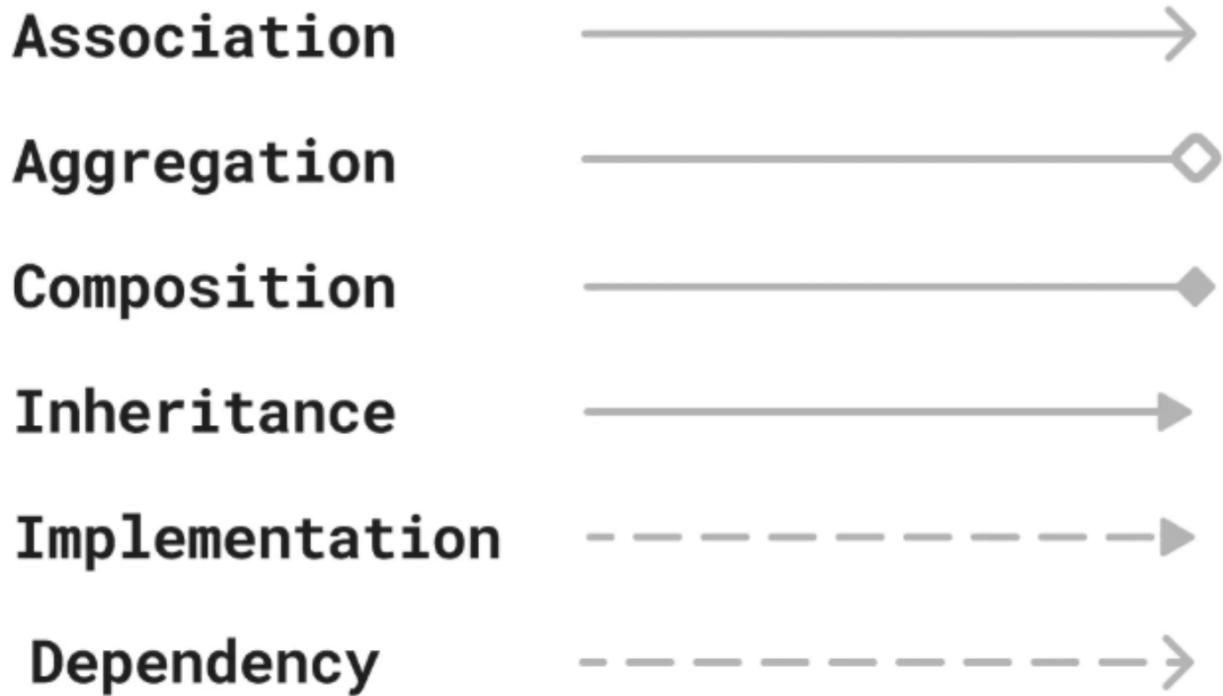
- name: String → name
age: int
+ email: String [0..1] → Multiplicity
~ phoneNumber: String = "+1-555-555-5555"

<<enumeration>> Color

)Enum

- RED
- GREEN
- BLUE

Relationships



[Full fledged UML example]

