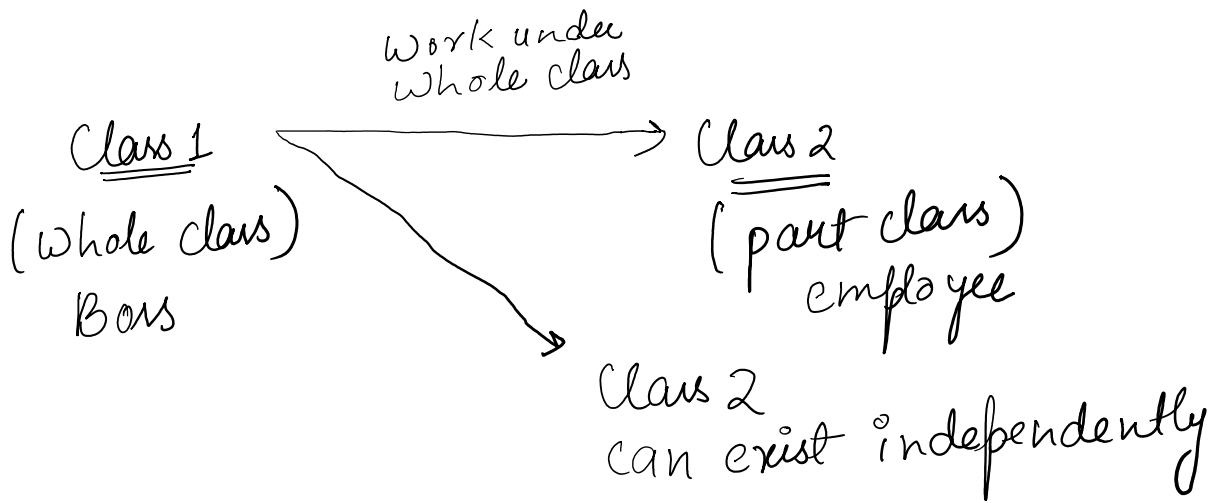


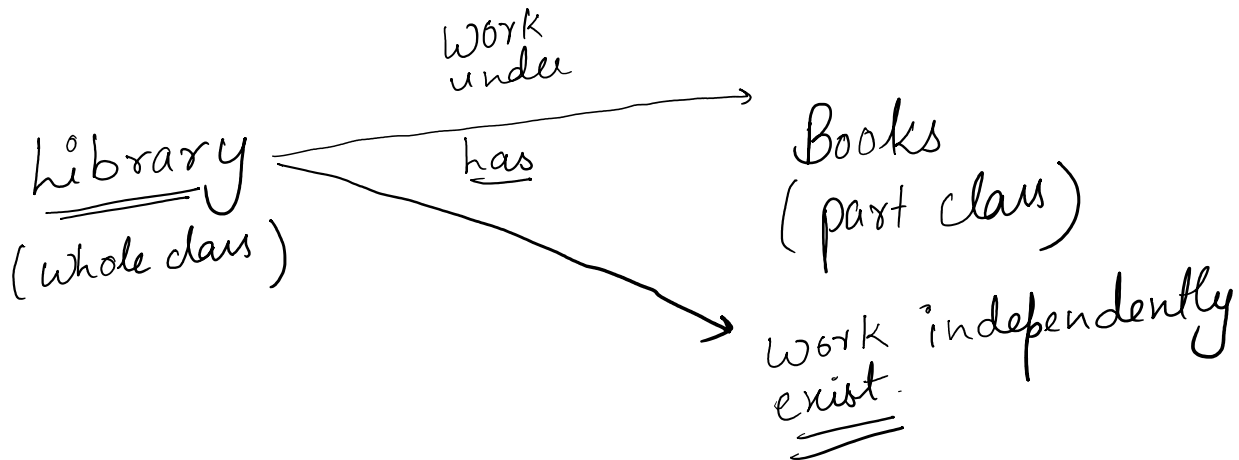
AGGREGATION

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(Ownership) \Rightarrow "has a" relationship

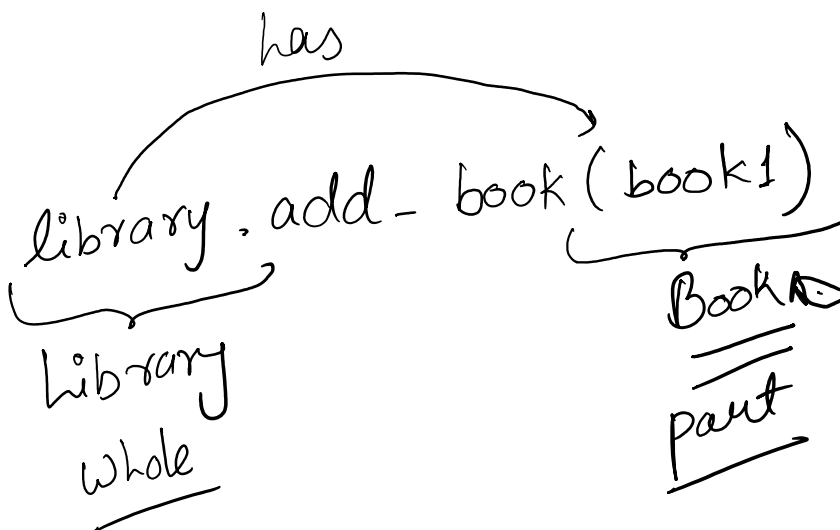


library



library \rightarrow library

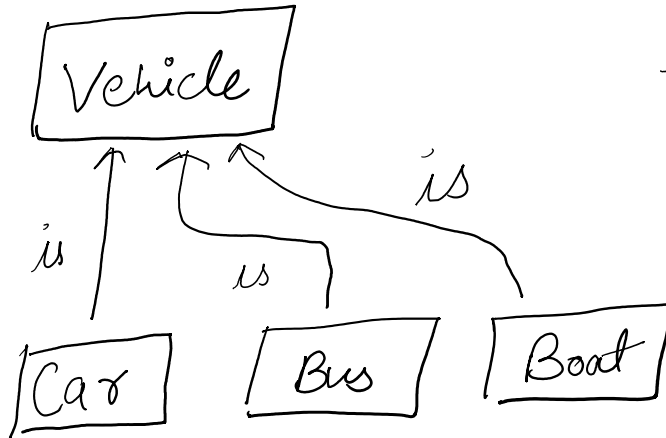
book1
book2 $>$ Book



INHERITANCE

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"Is a" relationship



* Private data/method
Can't be inherit

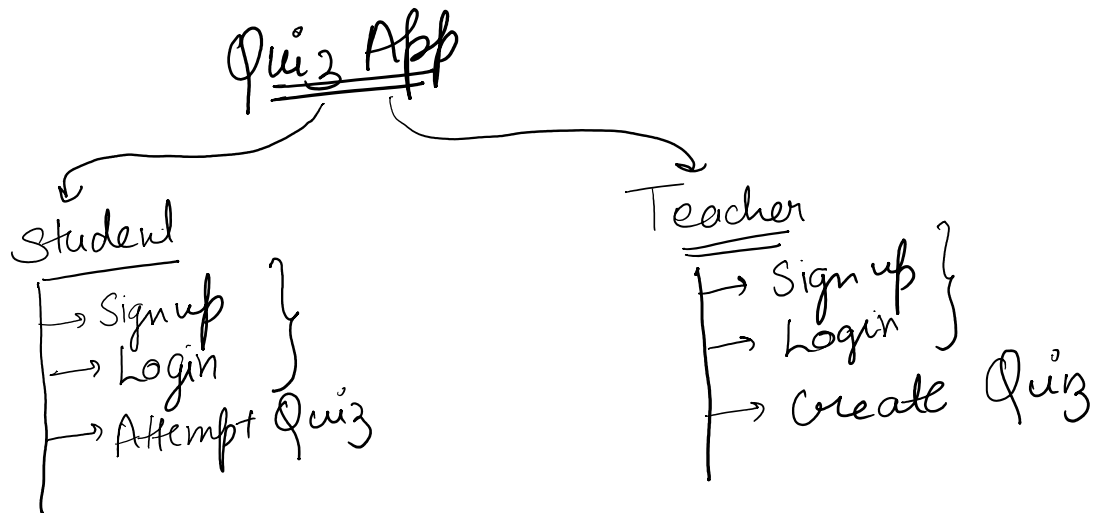
* Parent Class
Base class

Child class
Sub class

* Need?

① Code Reusability =

Before



After

class
Student

class
Teacher

class Signup-Login

inherit

inherit

Signup

Attempt Quiz

Create Quiz

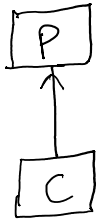
* What we can inherit?

- Data/Attributes
- Constructor
- Methods

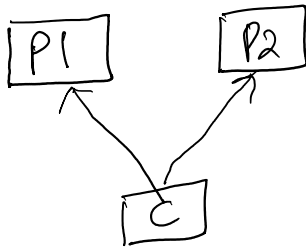
TYPES OF INHERITANCE

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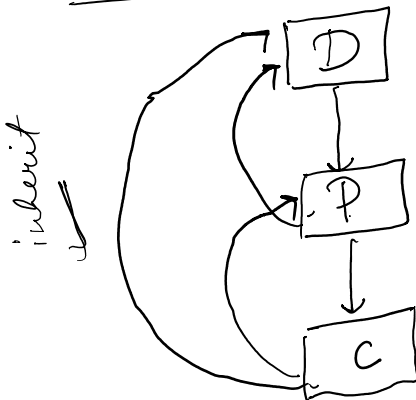
① Single Inheritance



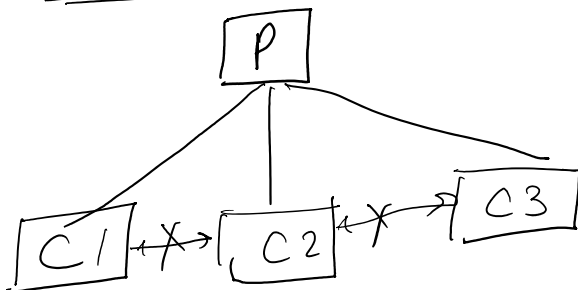
② Multiple Inheritance



③ Multi-level Inheritance



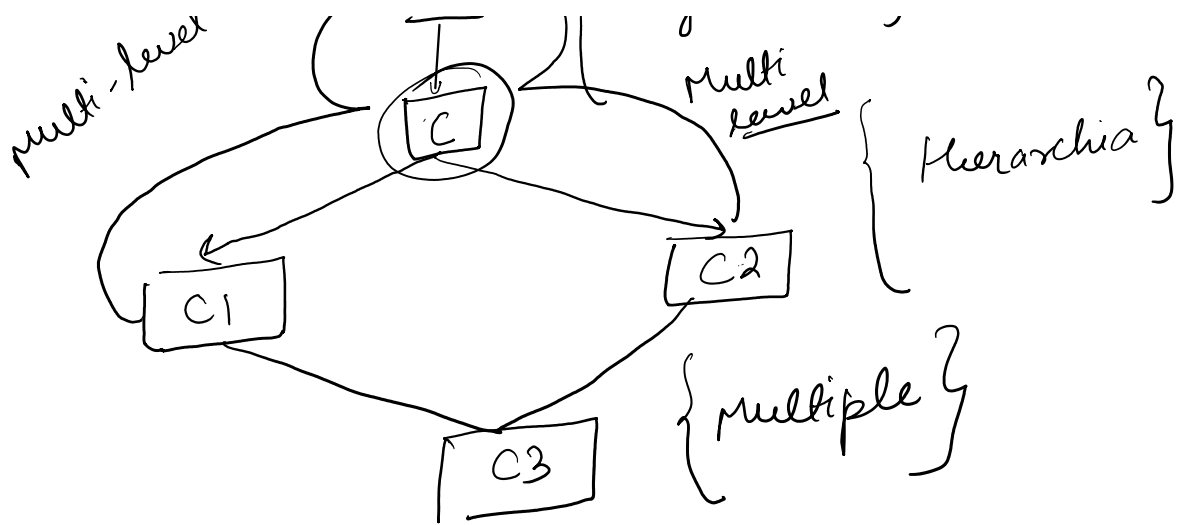
④ Hierarchical



⑤ Hybrid Inheritance



7



INHERITING CONSTRUCTOR

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- ① Do Nothing
- ② Super() method ⇒