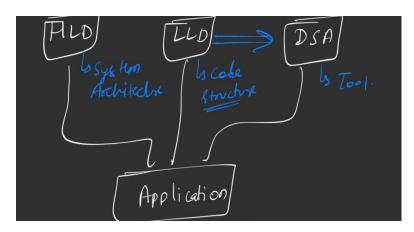
HDD - system Architecture like simplify, maintainability, cost optimization

LLD - focus on object /class

DSA – used for actual development for class object.



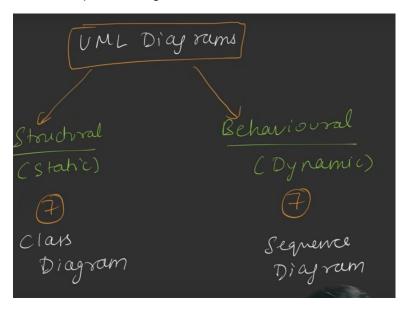


Why oops is need?

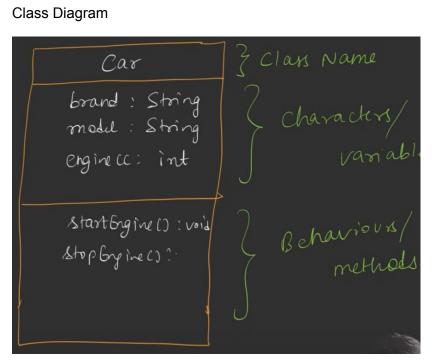
=> it will solved actual real world problem . What u see real world like inheritance(reuse code) , like ex, skeleton and object is like you & me as human object and its behaviour like walking, talking, speaking.

In UML diagram 2 part important

- 1. Class Diagram
- 2. Sequence Diagram



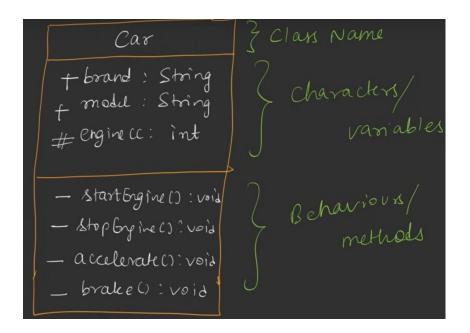
Class Diagram



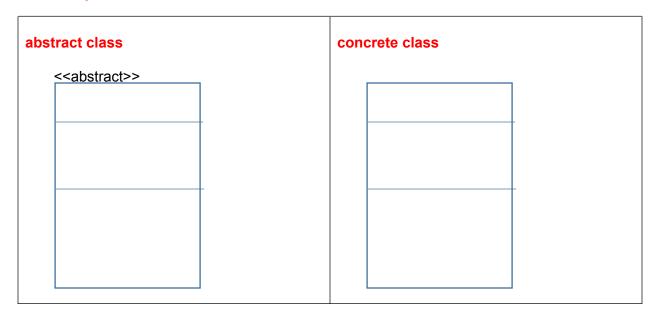
Access Specifier in UML representation

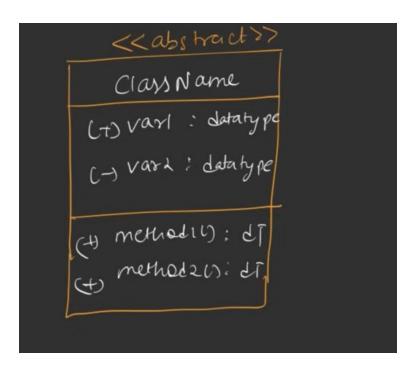
1. Private: -2. Protected:# 3. Public: +

	Med. Within Clars	from chid	outside the
Public		(~)	$(\mathcal{V}) \longrightarrow (+)$
Pro tected		(V)	(x) -> (#)
Private			(x) —> -

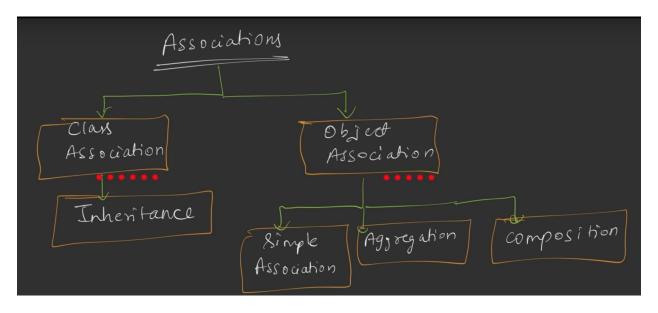


How to represnt abstract class And concrete class





Association

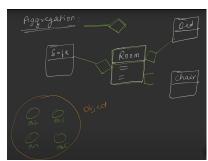


Simple Asociation : Arjun lives in house.

It represent ->

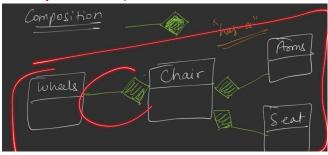


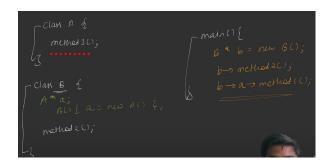
Aggregation : Room has chair,sofa, tables. So chair ,sofa, table has container as Room. It is represent



Composition: Car has wheel, Engine. It strong entity relationship. Car is made combination of different component like wheel, engine. If car is broken then different part is not useful.

It is represent —





Inheritance: It represent —▶

