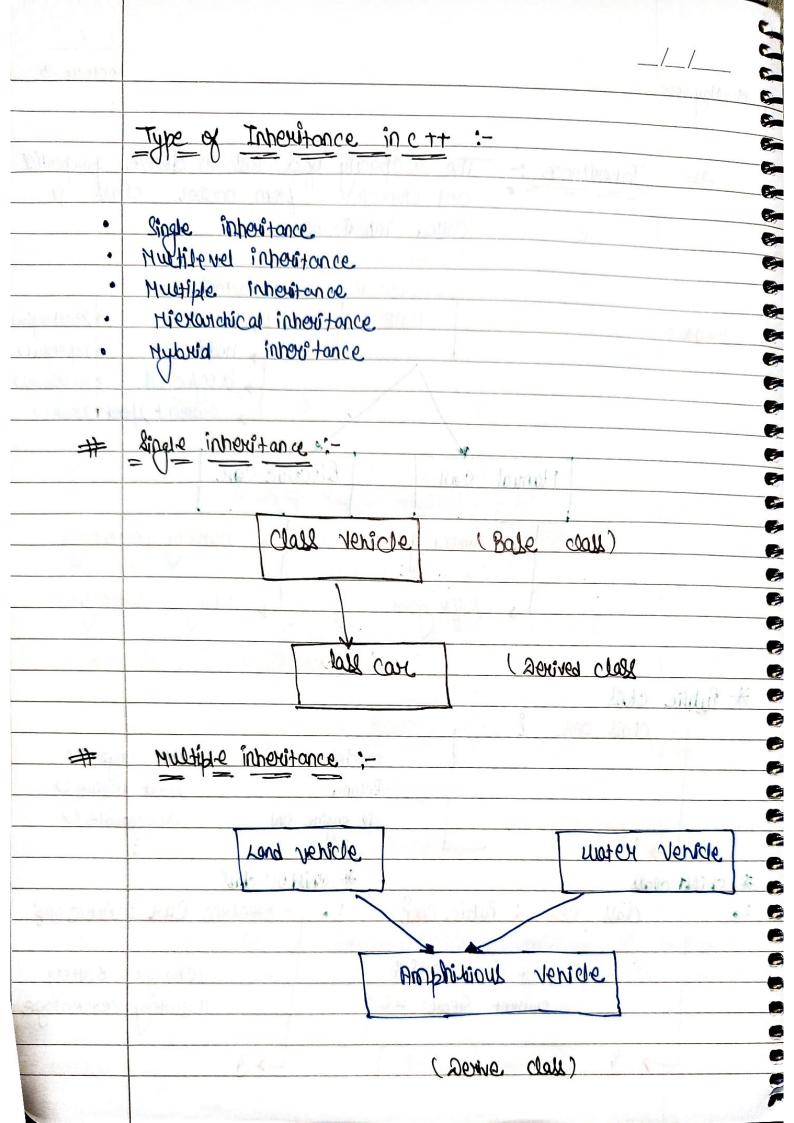
2 14 - Hay-2025 Lecture -3 3 Inhoustance :-The capacity of a class to derive properties # and character from another class se Called Inheritance. characters = ( Brand + Start engine) Example: Model + stopergine() is engine on accelerate() -= Electric Can. Manual Carl - currient gear / Battery porcentage 2 horge Battery () → Shift gear 2 2 \* Poyent chall Class CAR model stop engine 12 Brand Start engine U is engine on accelorate (2 of A of State \* Child 2 class \* child1 class class CAR: Pubic CAR: Pubic CAR: Pubic CAR 11 shift gear () E3 11 Battery Pencentage current Gear =0; → 3



	_/_/
	Multilevel Inheritance:
	(Bale-1) Class Venicle
	class fourmeeter (Base-2)
	(Derved class) Class CAR
01L 0rd	e sulta e frombet covo o cocosseto designativado accosseto de se compresa compresa con por compresa con porte de compresa con porte de compresa con porte de compresa con porte de contra con porte de contra con porte de contra
#	Hierarchical inheritance:-  (Bose close)  Class Vehicle
	o ad any part that that can be an o
	Class CAR Colass Bul
#	Hybrid inheritance:-
	Class Venicle, Chall Fave.
	Class cax

5 £ 5 5 Accell Modifier: # 1 Pubic Private Printected There are three Accell specifier in C++:-# 5 Public: member are accellible from outside the class, and 6 member can be accelled from onywhere. 9 9 Private: - Members cannot be accessed (at viewed) from Outside the class, i.e member one fortune to -that class only 9 Protected: member cannot be accelled from outside in inherited class on deriver che deriver chil. 2 2 9 2 2

<b>5</b>		_/_/
•	Polymorphism 3-	
	The word Polymorphism means having m  Polymorphism  Many  Joseph Joseph	nony forms.
	Poly-morphism is C++ can be chalified in	to two types:-
	Compile—time polymorphism. Runtime polymorphism.	
Signal ad Signal ad Signal ad	Polymorphen	nala Ililangi 10 ka
Sanain (	Compile Time Run	-Kine
eless -bas Kalis	Sperator overloading	Ly visitual

Polymorphism Synamic polymorphism Static Polymorphism Method Overloading Method overviding Function Overlanding 1/2 **Function** # Function Overloading Phip read function its fall under compile time It can both comple Time on . msjrtyrdnyloge Junime polymerphism. -A function can be overloaded a function cannot be overeis - dolen multiple times of it multiple times as it is newhood or comple time. emitrum to borlower si 9 Connot be executed without Con be executed suithout inhertrance. inheritance. They are of different scape They wern me some