07/06/24

* Inheritance is an important piller of cop.

* Inheritance in Java is a mechanism in which
one subject acquires all the properties and
behaviors of a parent object.

* It is the mechanism in Java by which one class is allowed to inhoust the features (fields

and methods of another class.

of In Java, Inheritance means, oreating now classes based on existing ones.

x.A class that inherits from another class can seuse the methods and fields of that class. In addition, you can add new fields and methods to your current class as well.

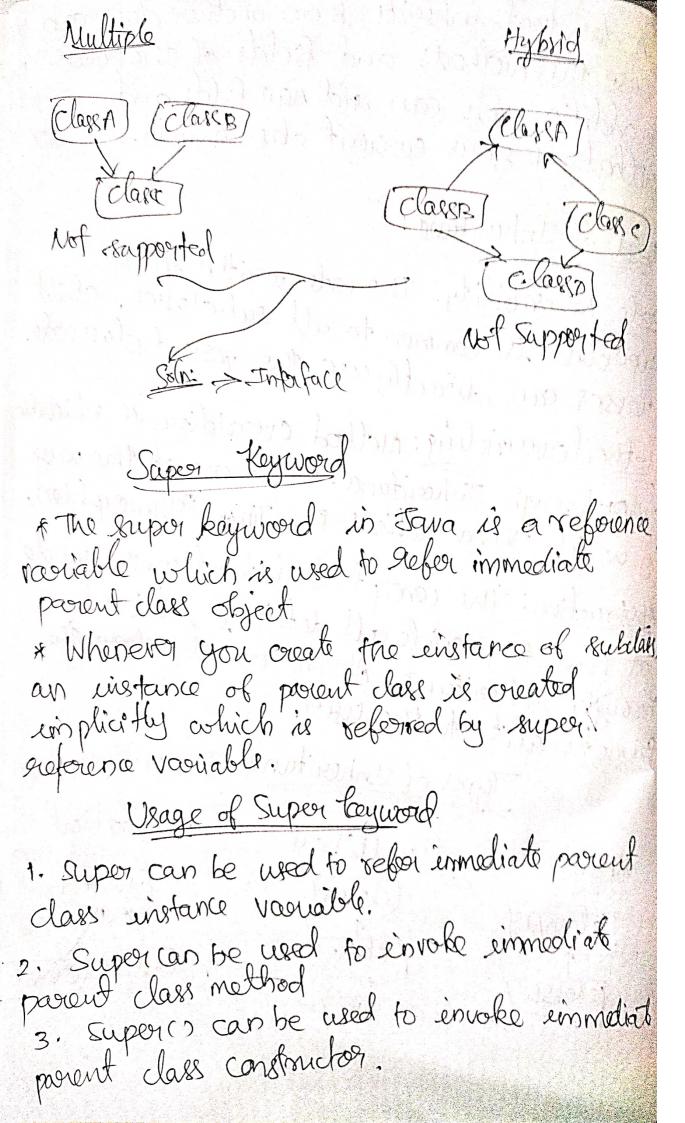
read of Inheritano:

code Reusability: The code wouten in the superlass is common to all subclasses. Child classes can directly use the provent class code.

Methodoverriding: Method overriding is achievable only on through Inhoritance. It is one of the ways by which Java achives Run Time Polymorphism.

Abstraction: The concept of abstract whose we do not have to provide all defails is achieved through einheritance. Abstration only shows the functionality to the custon.

Types of Inheritance Hiorarchical Muth Level single Level ElassA]. (clases) [classA] of chess? class B) ClassB] (Classic (class)



Real time Example:

The class 'Gar' inhoult its properties from

the class 'Automobiles' which inhouts some of

the class 'Automobiles' which inhouts yehicles'

its proporties from another class 'Vehicles'