```
Introduction
           Class = { variables

methods

constructors

gratance block.

static block.
         Variables. Properties or all ributes:
```

Types of Variables.

Types of Variables.

1. local
2. instance.

Declare. I inside a method / constructor / block

Scope

8t is not possible to declare local variable

outside constructor / block & class.

Menory Allocated When method is started its execution &

destroyed when method completes.

Memory Type - Stock Memory.

Classes and Objects can be only one (public) class in java. * There Lis of there is public class then file name should be same as that of public class. Li eg ABCD 4 pep. * Those can be multiple class in java file. OBJECT Behavious Properties (Variable) Robot Class Grample. (constructors) -> To crede objects. → 1. Default. Ly No need to create this. eg. Robot 71 = new Robot (); La provided by jova. Is but you can also create if La eg. public Robot () of special"); 3 static var belongs to class not object. (Clas's property) * (Static Variable in classes. Is every object showed the same variable using static keylund. It we can access class's property without creating class's object.
Les like, we don't create obj of Main class to use main method. Polymorphism walk (); 30 October 2021 12:00 PM 1. Compile - time 2. Run - time bount class has different function with some name.

Static Keyword

30 October 2021

12:43 PM

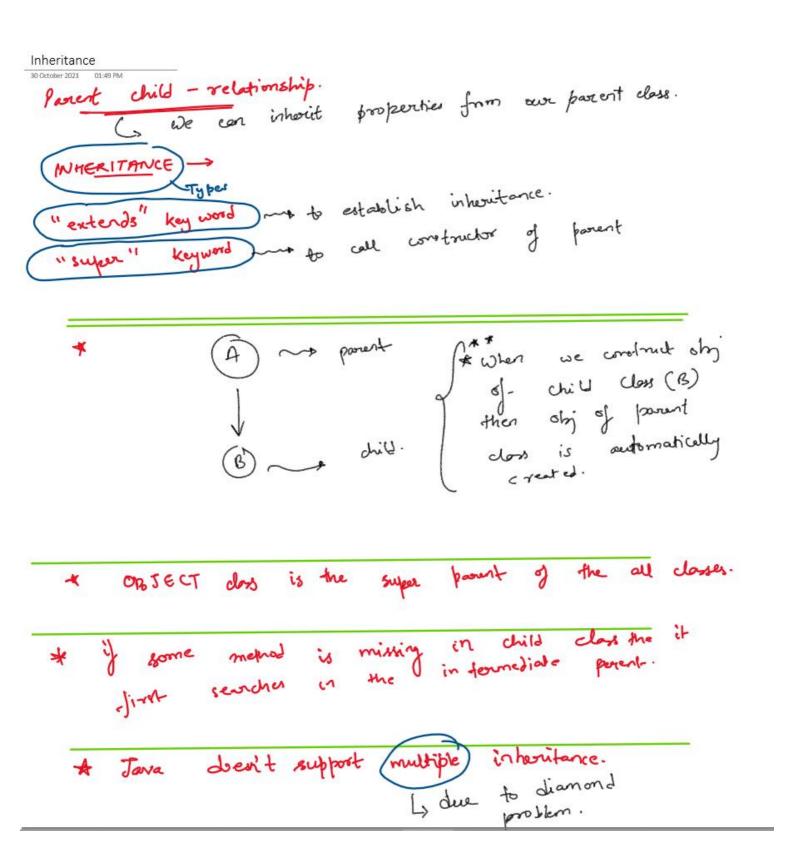
--> To make class's property



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to call seff constructor to indicate coverent instance.



Encapsulation

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of packages à access modifiers in we achieve encapsulation

Packages and Access Modifiers 30 October 2021 :- 4 to use access modifiers effectively. (37 mins) Access Modifier: 1. Default 3- Private protected

is a way of hiding information, just of the process. 30 October 2021 Abstraction

abstract) keyword of (interejace,) we can

Class : * Objects of abstract class connot

class can contain both abstract * Abstract & non-abstract method.

* (Abstract Methods): doesn't have their

should always present inside abstract

Interface

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.

default

ane

abstract

4 (virtual

* "implements

Keyword

Exception Handling

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Misc.

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Virtual Function
Inner class
Friend Function
Lambda Function and Expression
Garbage Collector

AS