7 Java Methods In Depth | Different Types of Methods with Examples

Acress Specifiens:

- Public, can be access through anywhere
- Brivate: can be access by methods of some class only
- Brotected: can k access by 1 subclasses anywhere
 (2) Non-subclass in Same package
- Default, if we don't mention anything, by default access

 Specifien is und by Java.

 Accessed by classes in the same package

(Types of method)

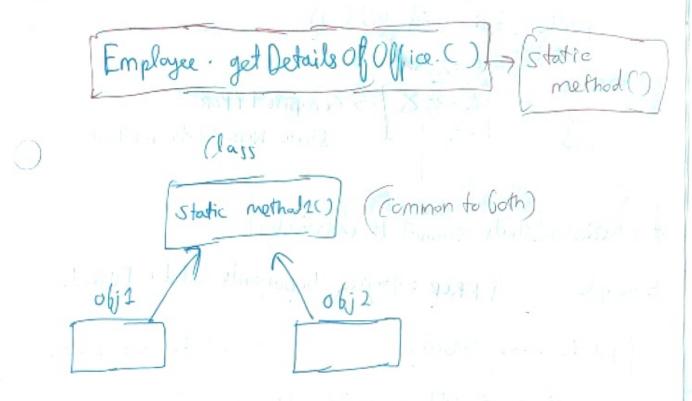
Static System Defined Method]:

methods built in already like moth synt()

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Static Method Type (100)

the methods are associated with the class. Instance of the class cannot be used to call the object.



* Can be called with class Name

& Static method cannot access Non-static Instance variables and methods.

Because the method is static, so it is shared among multiple instances. But of it cannot have Variables which are not common to class, but

(Static Block) T Class AS Static int P; int d; public static void get () 5 P = 2: a-3; X/-> Compile ERROR Since Non-Static method. & static methods cannot be overridden Example ERROR: trying to overvide Static Method. pullic class Doctor extends public class Person 5 public static void profession (); X @ Overvide public static void profession a remark with your And depleting the (Why?) Because overriding 1s agramic binding and Static flock momenty allocation is compile time binding

when class extends another class. Java hides the static block of the parent class to the Child (lass.

Class lenson {

Class lenson {

Public static void Bropession()

Static code

hidden to child Class

Class Doctor extends Censon {

Public static void Bropession()

Public static void Bropession()

af when to declare method Static?

A was a last

- (A) methods which do not modify the state of the Object
 - 1 Methods which do not use any instance variables of modify them and compute on arguments only

(Case I) Static P = q/4 m;

Static int (int a, int b) } / only competing

return a+6;

not changing.

Static P=103 This should be evaided static int (int a, int b) { / As multiple threads may Cause inconsistency issue return P Marie William State - Ki Final Methal Type]. & Cannot le overnidders. colous B extends AS clous A? puttic final void go O & puttic void go O ? 1. as gots a final Abstract method Type]. * Defined in abstract Classes * Only method declaration is done

* Implementation done in child dayses.

Variable ARGIUMENTS] (VAR ARGIS): [Interesting]. lets say you have a method sum (inta, intb). But you don't know how many arguments the user going to Send. In that case (BBBB) I della mille mille policy of int sum (int ... variable) } int output = oj Jor (int var: variable) } output to variate call sum (1,2,3,4); the return output;