Method overriding and Array Introduction ()=) double add (inta, intb, double) 4) Hyder Abbask, return attt; O'Method overloading: if a class has multiple J= double add (Louble a, double b, double) Methods having Same name but different in parameters, it is known as Method overloading return attoti; Class Calculator 2 (8 3) double add (int a, double b, int c) {
seturn atte; atxte; ()= int add (int a, int b)! is taken made; Public Class Lanch Mo { retur atb, and so that by Public Static Void main (String[] args){ (0=) int add (inta, intb, intc) Calculator 1 Calc = new Calculator 1(); refurn atb+c; int a=10; b=30, c=20; float m=10:sf, n=20:sf, 0=30.sf; (3) = soufbat add (inta + floatb) double x=15.5, y=25.5, 12=35.f; return a+b; 3

(a) =) float ada (float a, float b) (alc. add (a1b)); - result print on (ousole. (Calc.add (m, n)); > adding two float num. ((ale. add (a, b, 1)); -) Adding 3 no jut no. return atb; (5) => float add (inta, float b, float () (calc. odd (xMIZ)); S.O.P (calc. add (aibix)); return at b+c',

developers has to remember all methods name of add method. different names. To to avoid this problem In Java class we Can write nultiple methods with distanced Say names. but obifferent in parameters. Method overloading refers to process of writing more than one method a with same name and different porameters within same (4) developer Effort has reduced. (3) 1: many Colled polymorphism. B) add-one method performing niultiple activity.

L) false polyphosmorphism: (illusion. The reality one method performing one task. 3 (8) I class - many methods Samename Same no of parameters [not same data type] ((x to) bho solo

all add methods are active when called Carle add (a a b) 4) All add Method Which, are accepting thetal Compile time polymorphism: Compiler resolving this is me bared on 1) Parameter (no of Parameters) 1 Data type of Parameter (3) Order of data type of parameter. V -> Calc. add (a,b,x); -> 6 becomes active.

alc. add int double

1. Add method which is a cupting

2. Add method which is a cupting

3 parameters (2 integers, 1 double)

g clouble add (int a, double b, double c) {

This becomes active

active

active

the double add (int a, double b, int c)

the setum at b+c;

Es (Cake add (ida 1 b, x) L) doub god Coding Snimuts int addlint a, int b D Calls add method, All add method get active. return atb; (1) Methods with temp 3 parameters get online (3) Methode with 2 integer and I double get - Cal.add (10,120) Void add (inta, int b) -> given Compiletime intrescato; of Method overloading. S.o. p (res); return type has no role play, it's only method

name parameter

Method overlading with numeric

Implicit type

The continuous =) Inbuilt Methods are using Method to overloading implicit type convarion float add (float a of intb). Eg L System. out print (n(" hello"); int float System, out print [4 (a); s. p (Cale. add (10, w)) return att; -> Method overbacking also Called as Early binding |
Compile time poly morphism. float add (float a, float b, inte) Lesermathte; => Compiler resolute the Conflict: -> System out pri-th () @ no. of Parameters 1 Data type of parameters Lis one of the statement of the program O'order of data type of parameters Ly it is not output

Malad (that a, Mabb) { francis (flate float add (floata, intb) return atb; float add (int (, float a) return ate; he should be don't Calc. add (10, 20) - both accepts two parameters Ly Method having Capacity to. accept two onleger values. b) 2 methods have Capabycity. Compiler get Complied (or) ambigious Lo Compiler give Error

@ General Method Void disp() { S.o.p (4 incuron"); d.disp(); Void disp() Sting name) { < 'd.d'sp(28); 5. o.p(name); drolisp("arhish"); Void displintage) (E s.op (ages; -) Can we overload main method :-We can overboad nain method how ever Juny will Call Such a main nethod which accepts string [] args as parameters. Public static Void main (string [7 args) { PS Vm (string [] args) { K 3.0. P(uits actual Noi- Method); (1) =) psum (ant (7 arss) { ()=) Sop("it aughts "int ass"); PSUM (double [7 args) { (3) =) 5.0.P (4 double Value 1);