Polymorphism Child & P child & P child & P (4)

(4)

(a)

Parent(P)

Child & P child & P

(4)

(4) P[] avor = 9 new c1(), new c2(), new c3(), new c4()}; avor [3]. fun();

avor [3]. fun();

example of dynamic polymorphism

(Dropdown) (Method Oxerriding) not known at compile time (3) and compile time (4) and c Compile time Polymorphism

(1) Franction Oppe Overloading

(2) Generics (For to be called determined by Compiler)

g:- fun (int a, int b)? | fun (double a, double b)?

gotwon a+b;

return (a+b)/2; Called via: fun (1,2) Example of method Called via: fun (1.0,2.0) -> No operator overloading in Java But a special case for storings exist where append () functionality is overloaded using + operator.

by typecast) -> Complex sufrences (sooohved Vistual] Resolved by (RHS) -> clata-members Resolved by non-virtual Refrences (LHS) -> In Java all functions by default are virtual. Pol=new P() Instances) $P \circ 2 = new C()$ On Heap $P \circ 3 = new P()$, Not allowed $C \circ 4 = new C()$ Reforences On Stack ares resolved. gofrences At Compile Time At Luntine instances are resolved.