Multilevel

A → Superparent (G.P.)

B → grandparent + prop

C → parent

D → kid

A+B

A+B+C

X Multiple

Same

Same diffvar

Parent1

Parent2

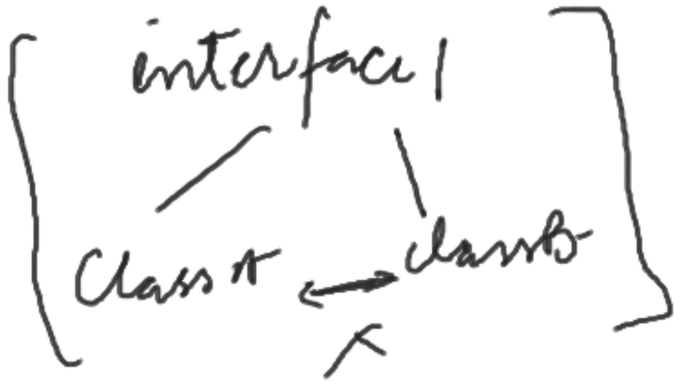
diffvar

Child

```
public child extends parent1, parent2 {
}
```

parent → sameprop.

interfaces 1:7



Class A implements interface1

Class A implements interface1, interface2

m1();

m1();

method declaration

Class B implements interface1

(i) Scenario 1 →

→ one interface & one class

class A implements interface

Scenario 2 : one class, Two interfaces having diff prop / method Name

m1();
m2();

class A implements I_1, I_2

Scenario 3 :- one class, two interfaces having same Method Name.

class A implements I_1, I_2

I_1 → m1();

I_2 → m1();

need to override the method one time only.

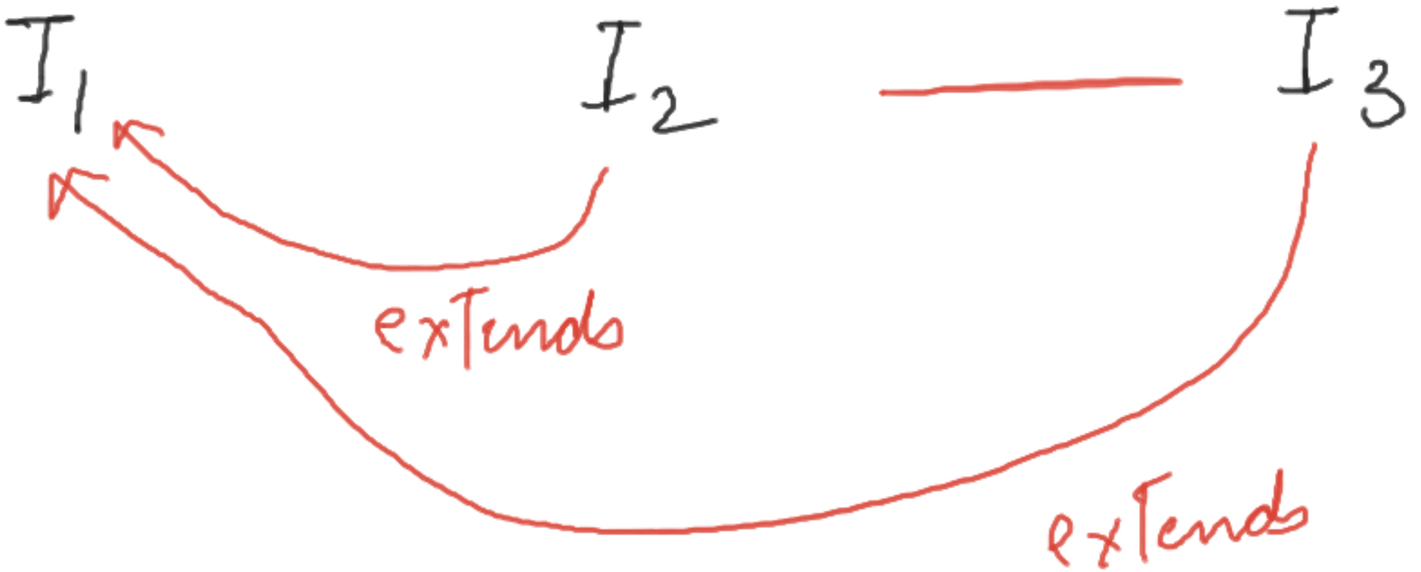
Scenario 4.

I_1 (parent)

↓ extends

I_2 (child)

] class A implements I_2



(I1)

Class A implements I2 , I3

Scenario 5.

Object X

Abstract class → abs. Method + N.A. Method

1.7 Interface → only abstract Method + Obj X

class → Obj + abstract + interface
extends implements

1. →
2. Abstract class implement interface

→ 1. Class extends Abstract class ✓

3. A | I | Class extends A. C imp I.