

s when method signature is same in parent
and child class but the imple differs so method
overridding.

Vericle

Startfugue()

A

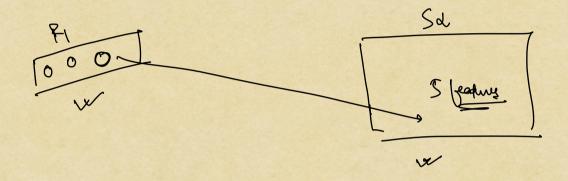
Call() $\S = \S$   $\S(ECons)$ Startfugue()

B

Call() $\S = \S$   $\S(Cocons)$ Call() $\S = \S$ Call() $\S = \S$ Call() $\S = \S$ 

Vericle v = new vericle();

Venicle V = new IceCan()! V. Startingne();



Venicle Decens

In case of uprasing the method involved will always be the method propert in Object.

P p: ww (();

p. cou();

p. cou();

cou() \( \)

cou() \( \)

(cou() \(

In case of upcassing;

Parent p = new covid();

- 1) methods possible to execute, one the methods prosent in Parent clars.
  - ") wellade executed would the methods from child class.

set attributes methods

execution = object

 Yes bank closed down
 → PhonePc → YesBank
 Johns
 Taili Bank YesbankAPI & Put gerbalence ( String userName) } there popular int send Many (int amount, String touser) } 7 - Success 9 - En progress change of pin bodsen Change Pin ( int current, int newlin) & 3



Zuci bankAPI &

1 could checkbalance ( but world, but pin) }

3

2 kind maney than franch (int amount, String touser, string franch.

I - in progress. S-success. f. féilm

change of the product bodger update fin ( but current but newlin) &

2

This lind of wide where Phonege is completely I directly dependent on Yesbout -> Hightly coupled code [very God]

- 1) we are not using startfugue method puride vehicle because are the children of vehicle is overridding the method
- 11) for upcasting, we want the method to be present

Ans a Interface

I group of abstract wethood that

Can be suplemented by wulliple classes

Interface I Bank API &

double balence ( String user, "ut pin);

character fransfer (double amout, String francier. String folky)

boolean updatefin ( String user, Put neulin, int currentlin);

Yesbanlette 144 Banlette

class Phonele &

P Bank API is and API;

puldic (Ibank Api ibankApi) }

this - ? SameAPI = ? SameAPI

I BankAPI sameAPI = new YesbankAPI();

I BonkAPI sameAPI = new FacibanteAPI();

phonese p = new phonese ( new Yestambeter )).

Phonese p = new phonese ( new Ferchauchie).

Adapter Derign Partan