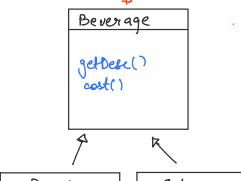
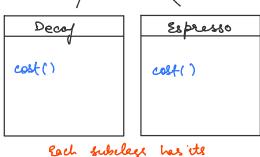
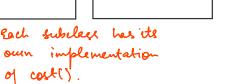
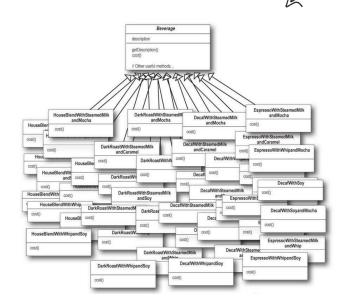
Q. Why do me need Decorator Partern? Abstract class, so me can write basic implementations.



. # On observing me can notice that there can be many combinations of copper and implementing all the classes will lead to class Explosion.







#first bolution (but a bad one)

## Beverage gel Desc() cost() hartilk() hartilk() hartilhippedCream() harsoyattilk()

ule con get all the combinations of coffee but, each boolen will susquire some sort of ig-elle which will create chaos if never types of coffees are to be added.

4 Booleans

- O source code needs to be changed to add new items.
- 2) subclasses inheriting all the tennecessary methods

Beverage
get Desc()

cost()

Example

this. beverage. cost() + 20;)

AddOrCost ( return

covamel Decorates

Soysecorator

Decorator pattern allows a user to add new functionality to an existing object without altering its structure. This type of design pattern comes under structural pattern as this pattern acts as a wrapper to existing class.

This pattern creates a decorator class which wraps the original class and provides additional functionality keeping class methods signature intact.

We are demonstrating the use of decorator pattern via following example in which we will decorate a shape with some color without alter shape class.