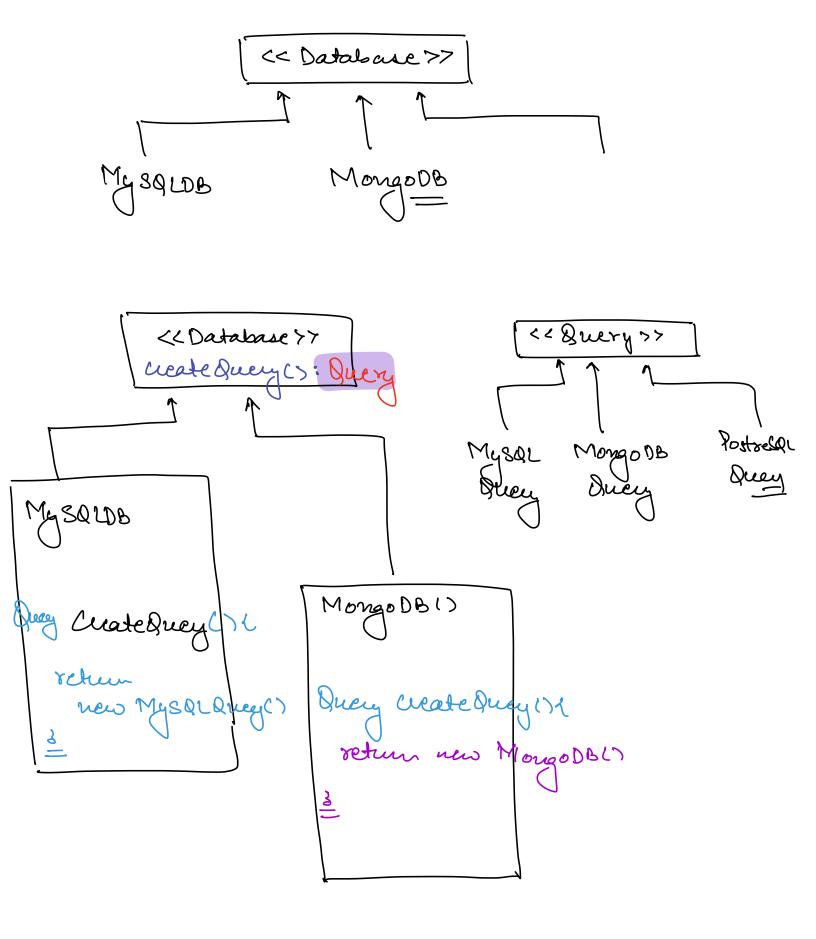
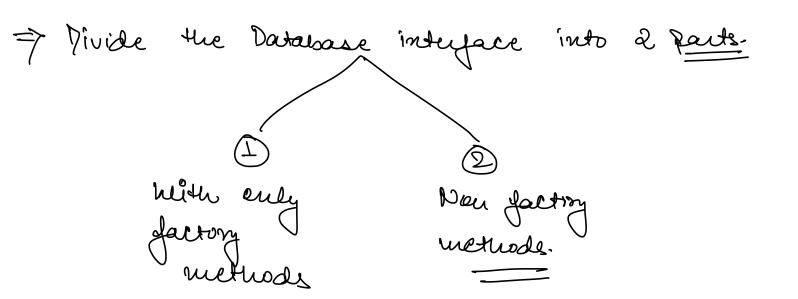
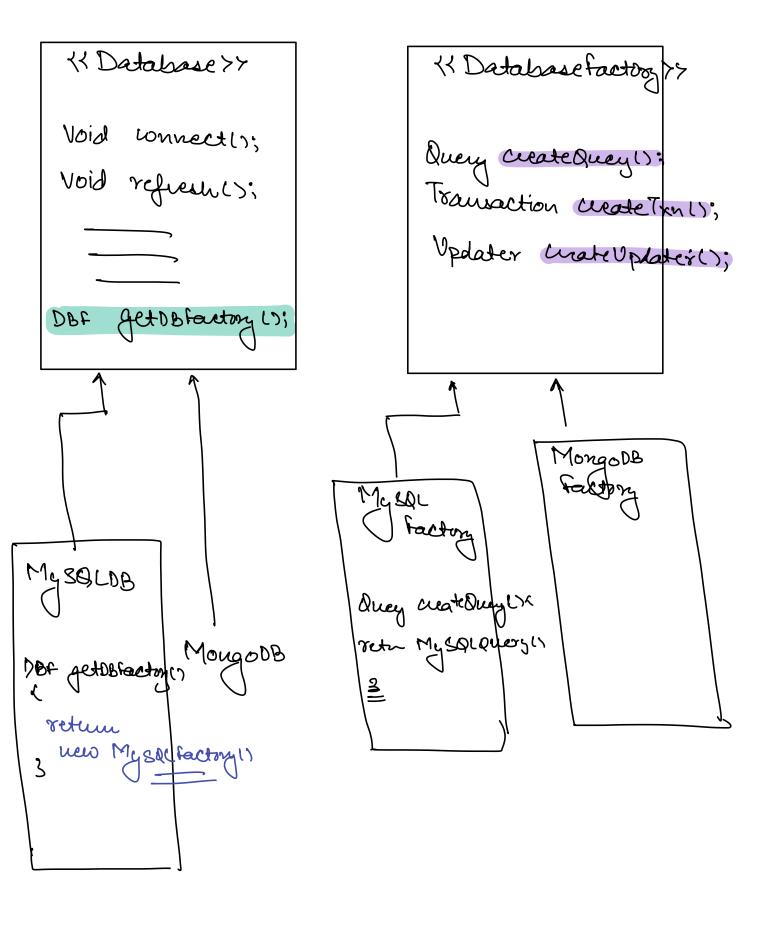
Agenda
-> factory
→ Abstract factory
→ factory → Abstract factory → Practical factory
Class Userservice (Postre DB()
Patabase db = Mysacti;
createuser() (
Query q= createQuery ();
db·execute(q);
<u>3</u>
getuser (id) L
Query q = creategrieg (); db. execute (q);
db. execute (q);
= De la lance Traversion Principle
=> If DB was a class, Dependency Inversion principle mould have violated as No 2 concrete classes
Should depend on each other directly
=> Dotal : charle sédice be au interface.
Database should either be an interface
Abstract class. So that our code is wosely coupled mith Db.



Class Userservice (MongoDBC Patabase db = new Mysol DBLY Weaterser(- - - - -) (Query q = do creategreg (- ---); db·execute (q); getuser (id) L Query q = creategresq (----); db. execute (q); 3 <u>ح</u> Create guey () => Quey () void connecti; Tupose of this method I is to return the new - factor

User Service (Database db = fun() { if (db. instance Of (Mysai)) g = new Mysaraney(): else (4(db. instance 04 (MongoDB)) q = new Mongo DB Quey ():

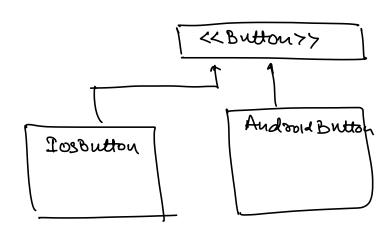




Mongo DB() Vscr Service (Patabare do = PatabaseFactory Obf = db. getDBfactory 1) Create Verrl - - - - > 1 Query q = dbf. Clate Queq 15; execute () => <u>VI</u> Libraries. flutter): Cross platform framework. Create Button () WindowsBrtton DOSBULTON Android Button

Ulass Flutter 1

Createbutton (Platform) 1 if (platform == "Android") 1 DCPX return new Android Button (): SRPX lie if (platform == "Tos") < Veture new I os Beston ()3 Weste Doop Down (Platform) 1 << UI factory >> flutter Button Createbutton (); Menn Crote Menney; OropDown Create DropDown (); UI factory get UI factory (plation I OSUI factor Android UI factory AndroidUIF button createbuttous () (octum new Tosandon();



Client 2

flutter flutter = --;

VI factory refactory = flutter. get VI factory (IUS):

infactory. create button ()

IOSBULLOU.

Summary

Factory: Method that helps to create the object

of corresponding classes.

Abstractfactory

Is lot of factory methods.

Practical factory

> When me need to create an object of corresponding factory, it mill lead to lot of if-relse Conditions in the primary class, we can move this logic to some other class. > Practical factory