

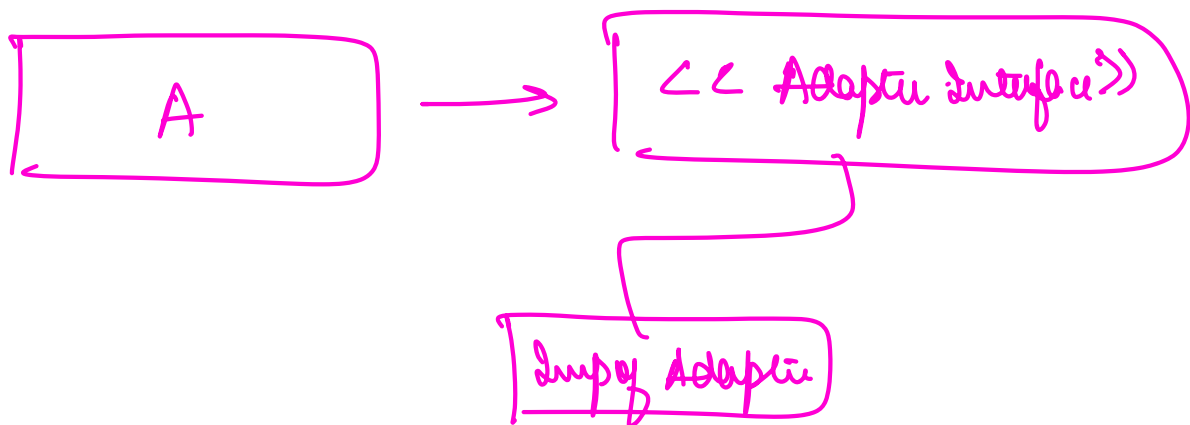
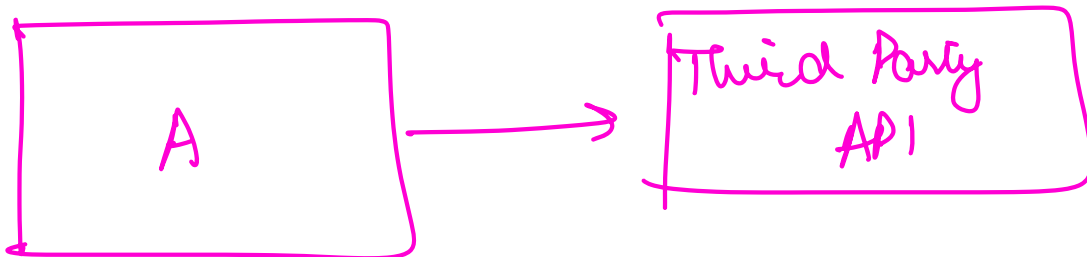
Agenda: Miscellaneous Topic APIs

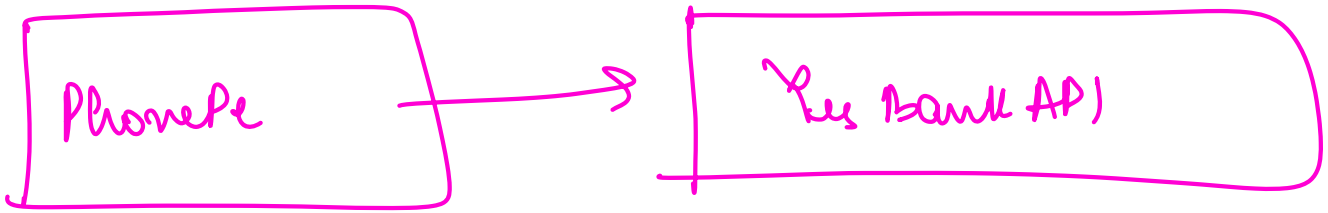
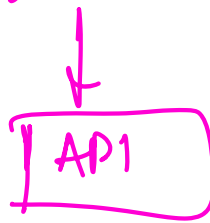
Code + theory {

- Adaptas
- More ways to handle exception
- @Primary
- Sending headers in response

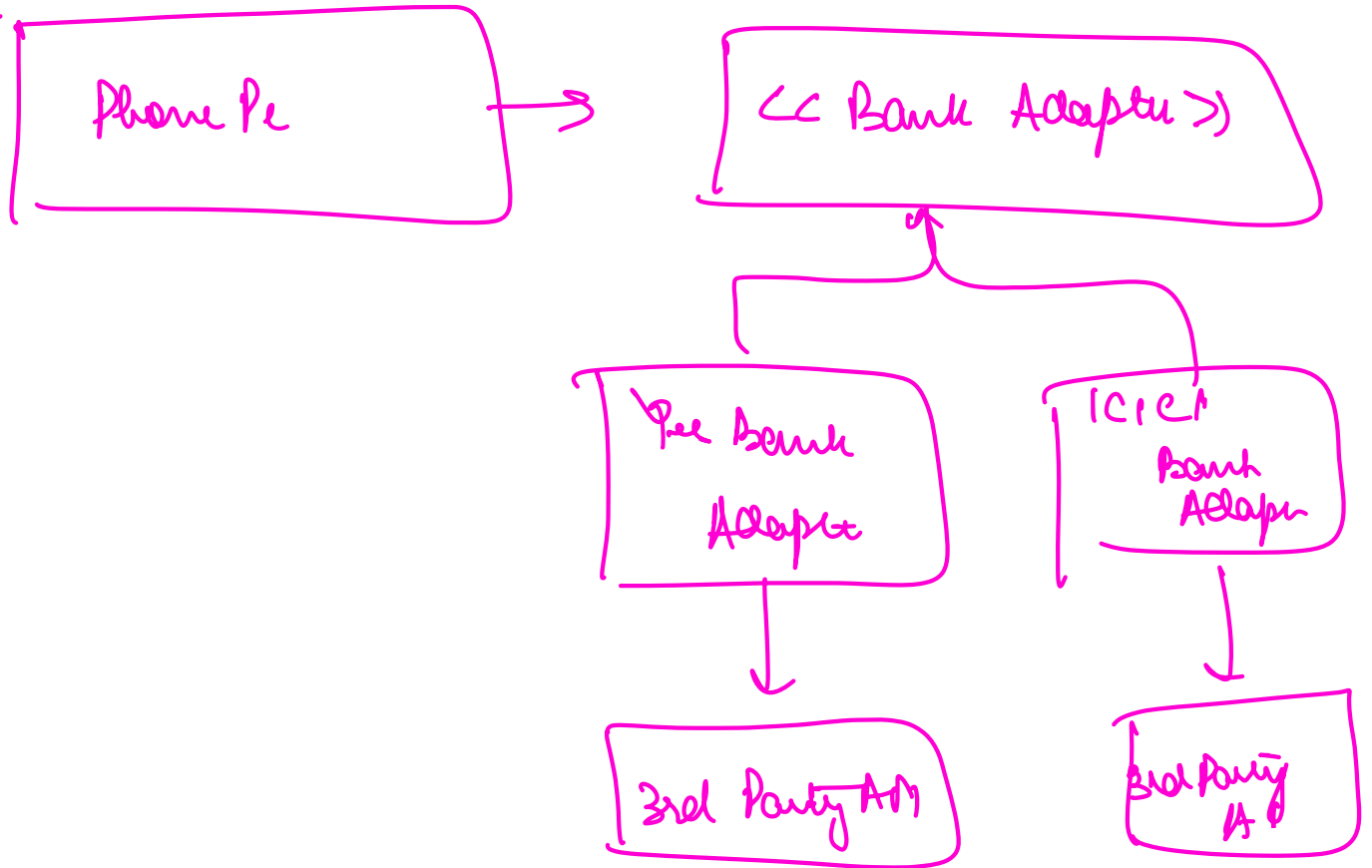
Microservices

- RPC and Protobufs v/s JSON
- API Versioning

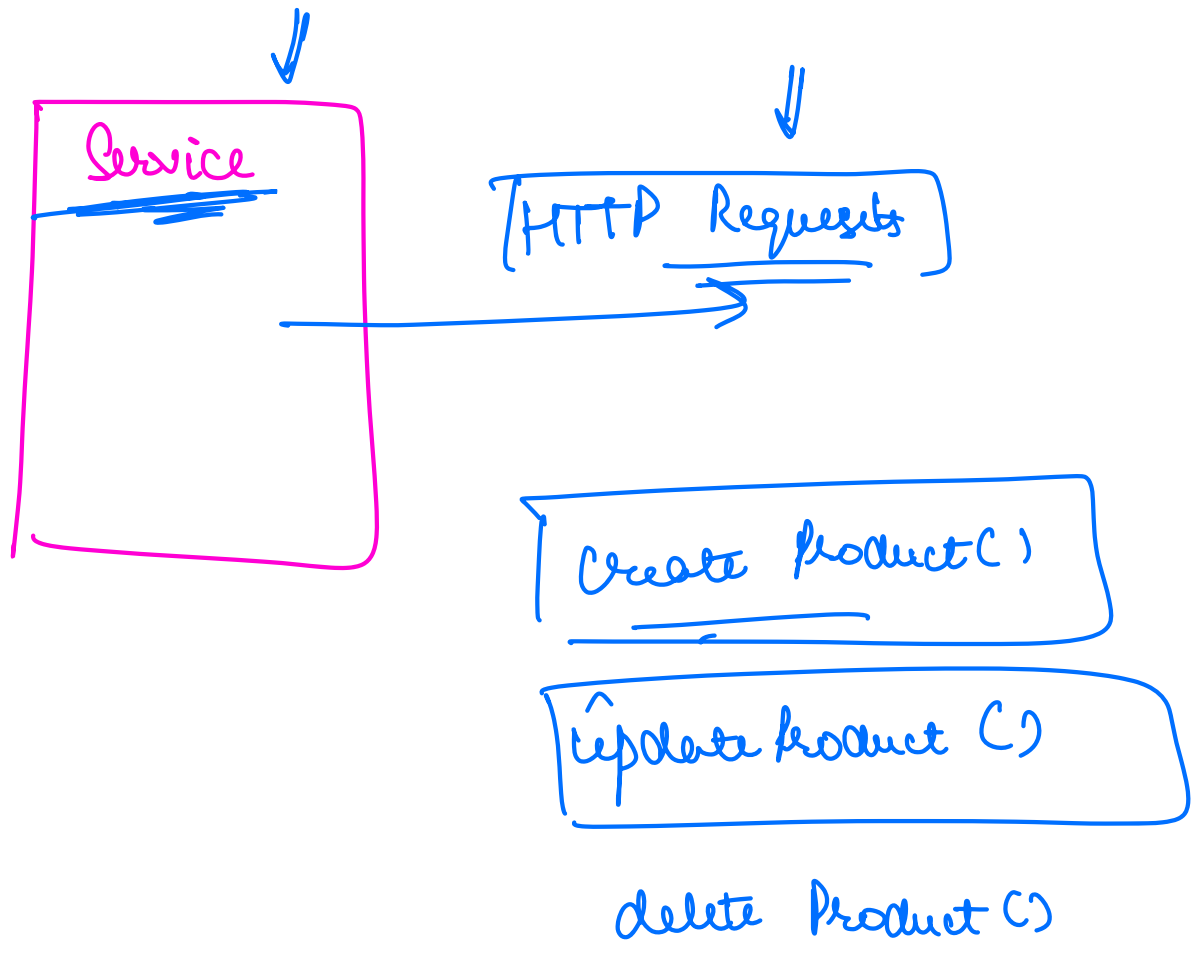




Adapter

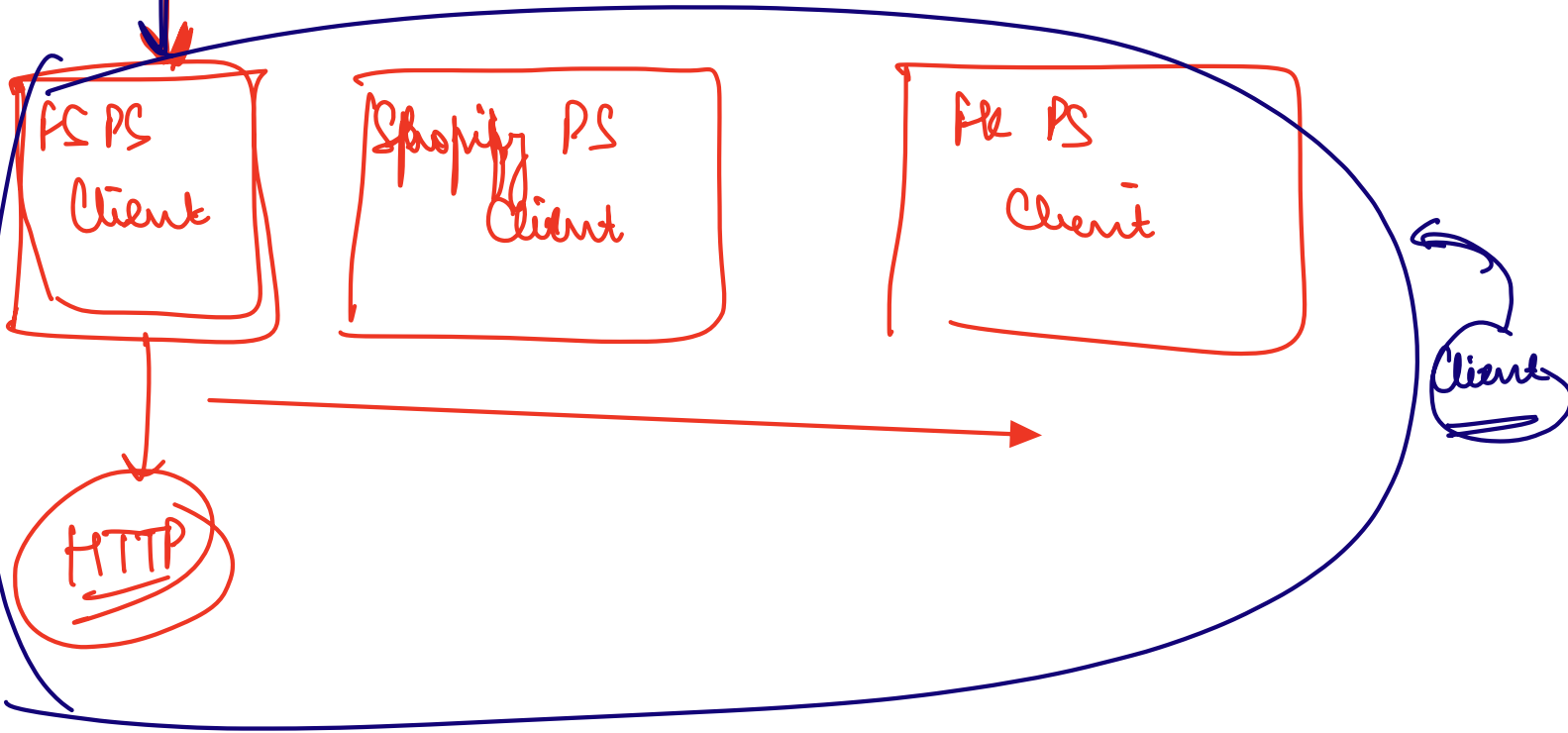
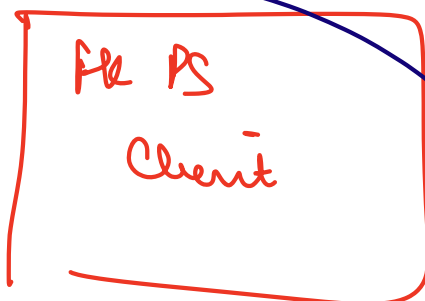
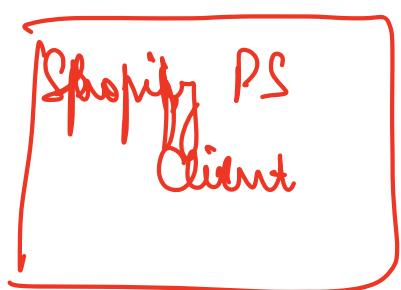
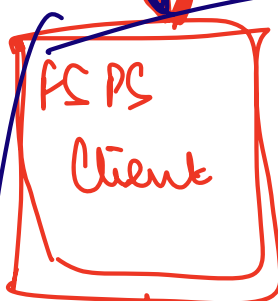
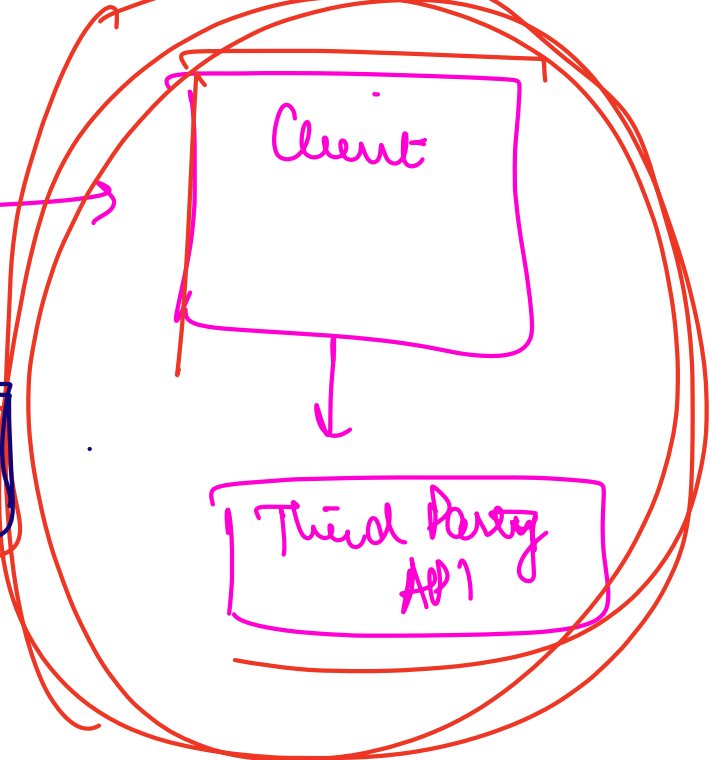
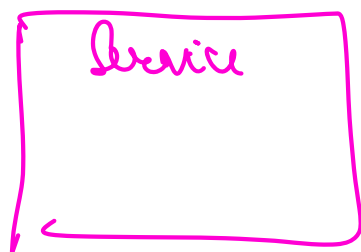


①



```
get Products launched After Date ( Date ____ ) {  
    // get All Product  
    for (Product p: products):  
        if p.launched date  
            return
```

}



<< Bank >>

Bank Adapter

Yes Bank
SDK



Yes Bank HTTP API

ICI C Bank
SDK



ICI C Bank HTTP API

api Creds

Dev

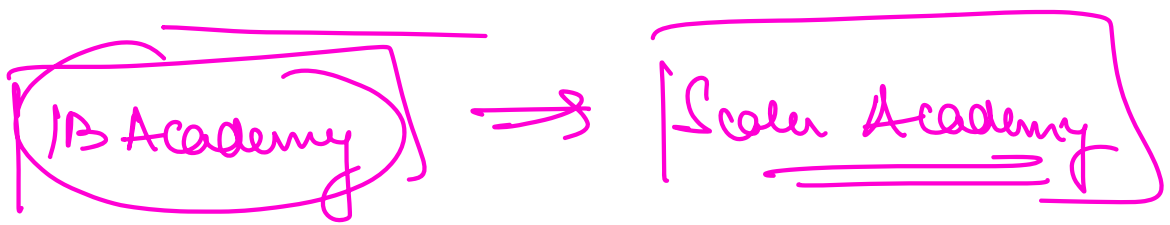


Prod
DB

Config Properties

Constants / values
that can be read
by classes in your app

Interviewbit ---Scaler



host.url = "https://interviewbit.com"

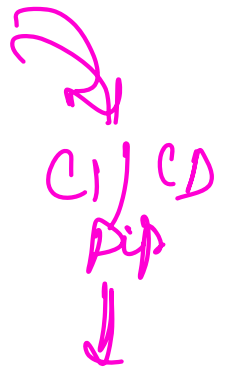


db.url

"https://scale.com"

⇒ IB's DB

⇒ Scaler's DB



Env Variables

→ More ways to Send Exception

→ RPC v/s Protobuf

→ API Versioning

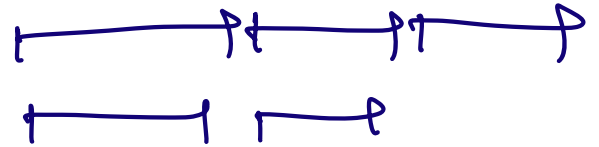
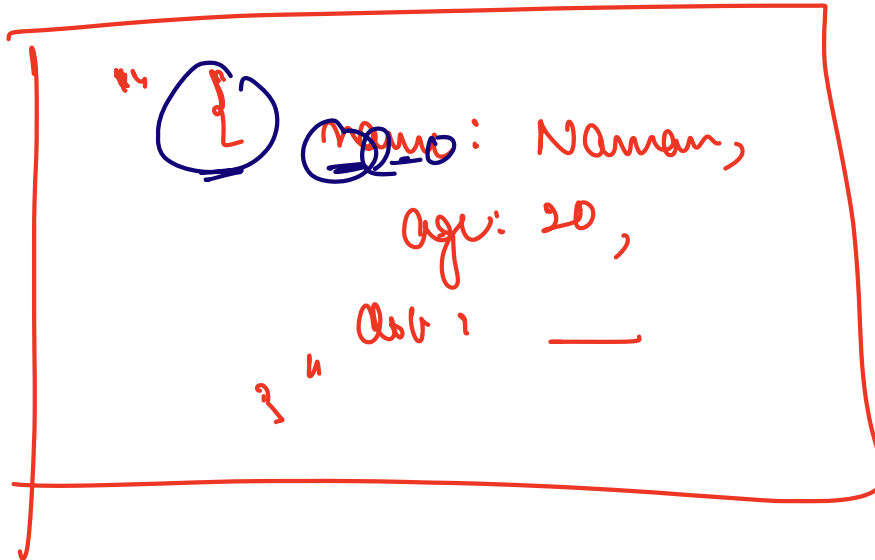
→ Send Headers

Break till

10:25

Protocols

Data was sent as a json string

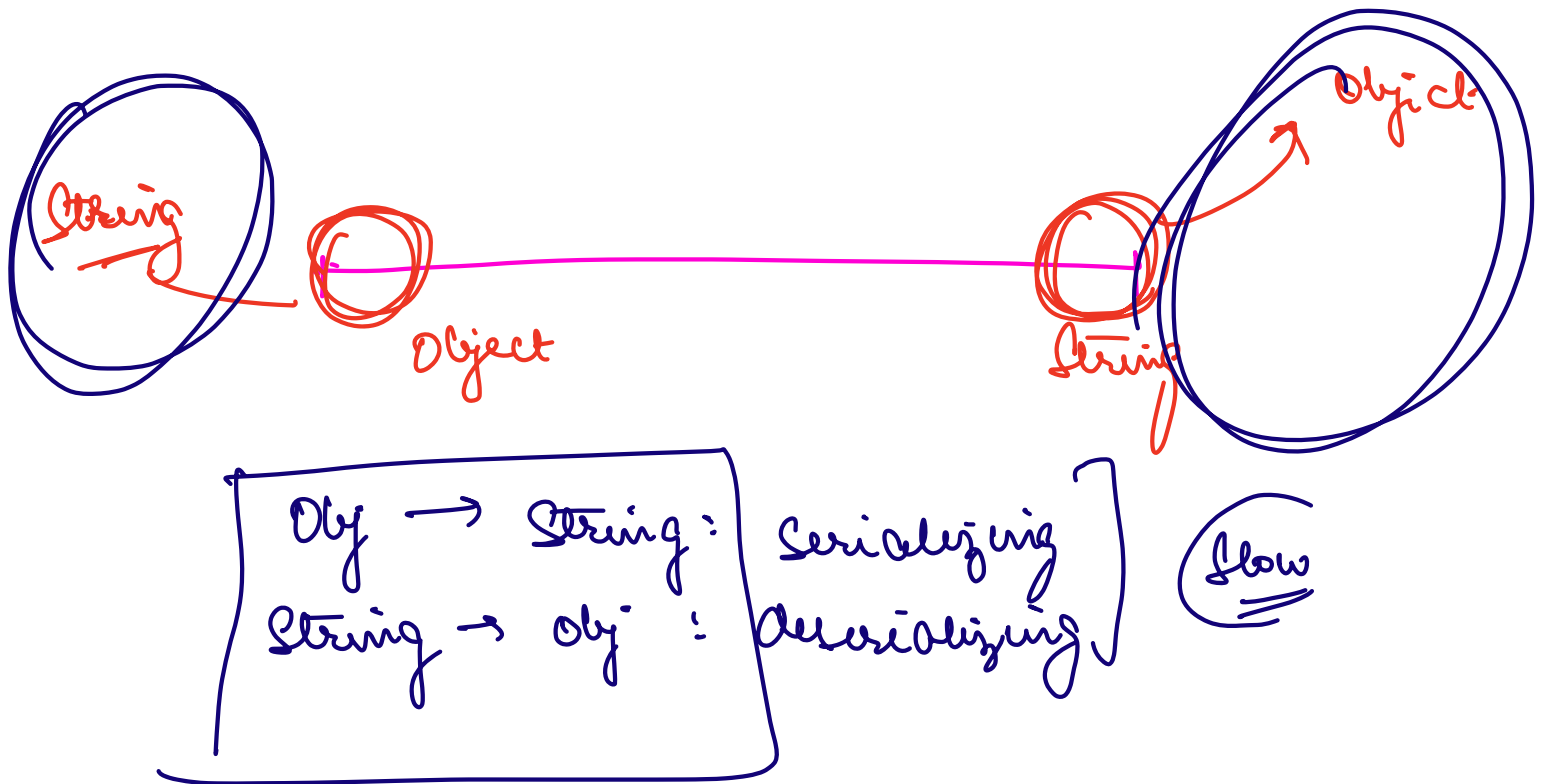


→ JSON is optimized readability

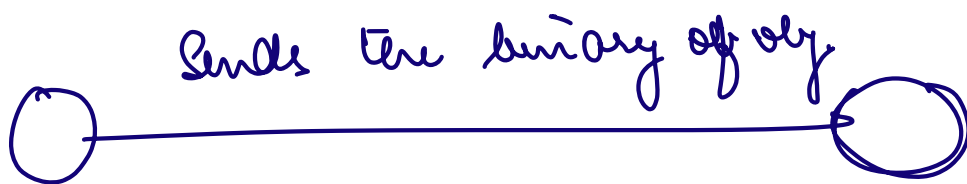


```
for (char c: str) {
    if (c.equals("\"")) {
        //
    }
}
```

Converting a json string to an obj takes
good amt of time.

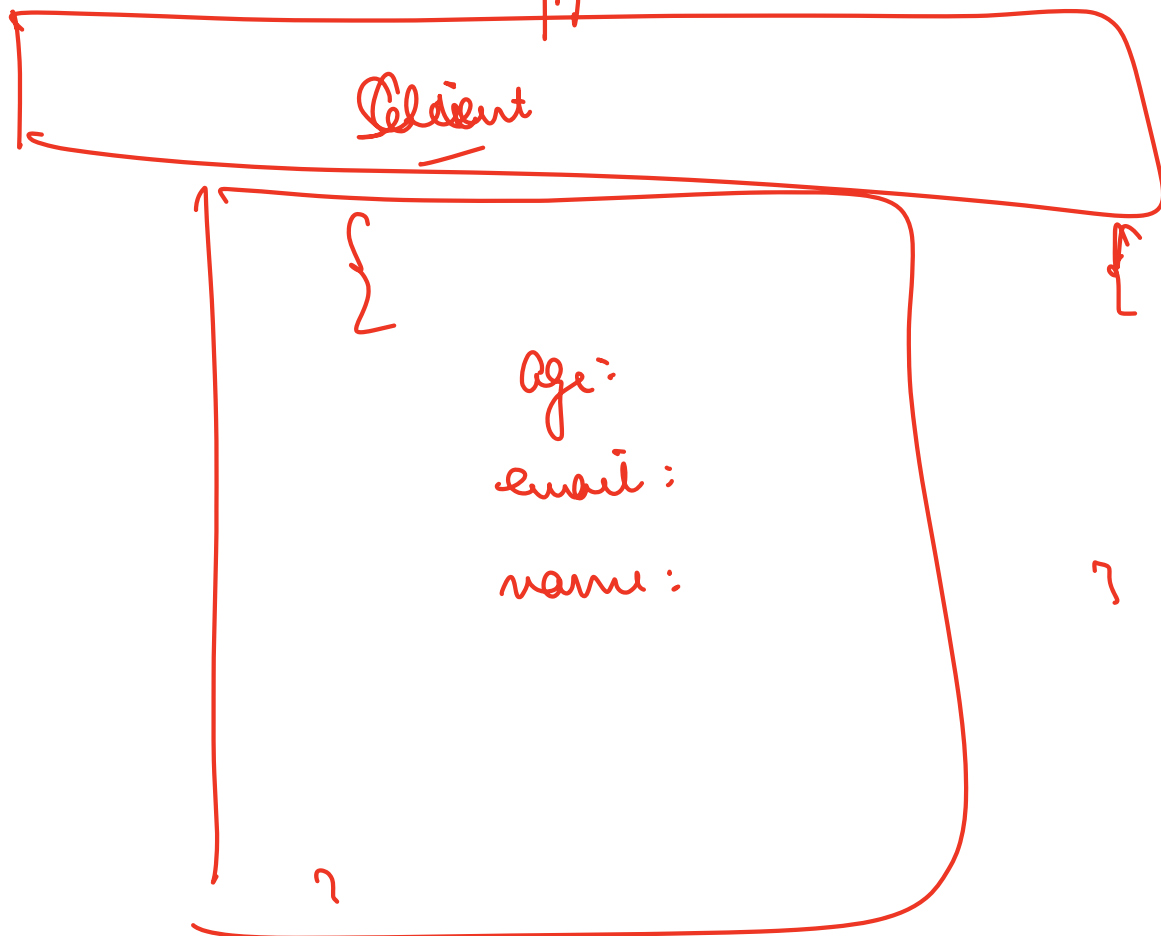


ProtoBuf



Proto is already an obj

N/A



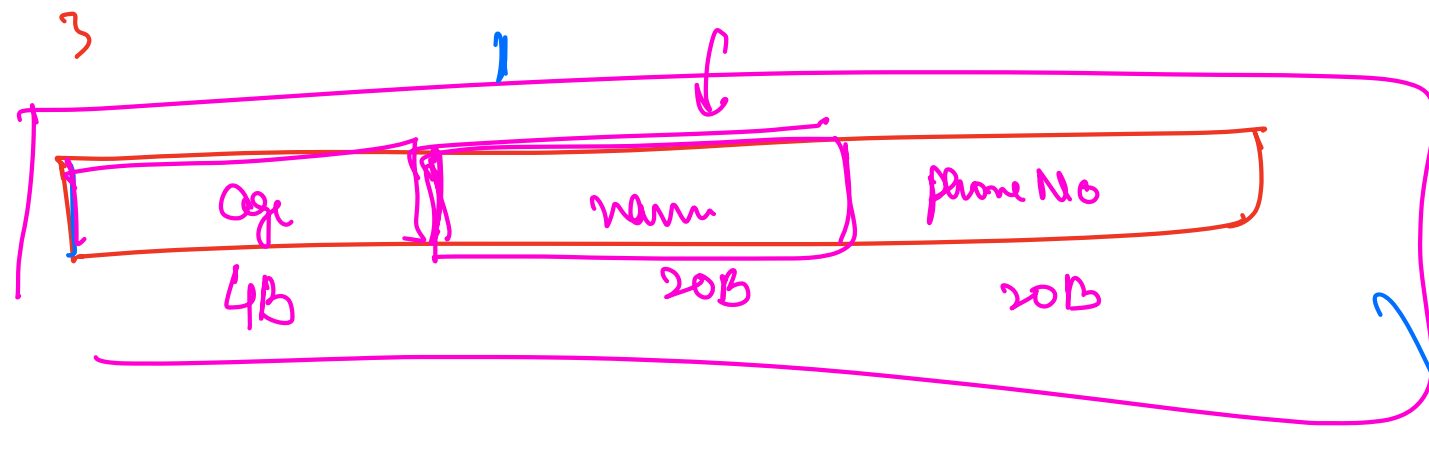
message Animal {

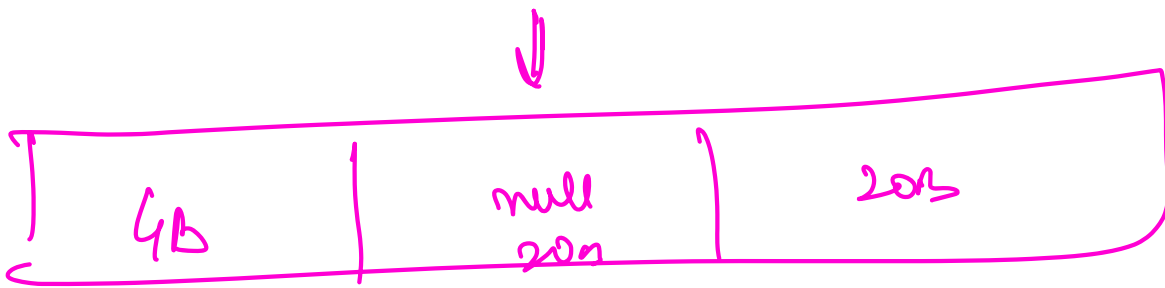
int32 age

String name

String phone No

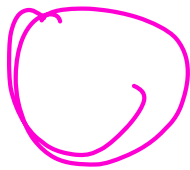
int age =



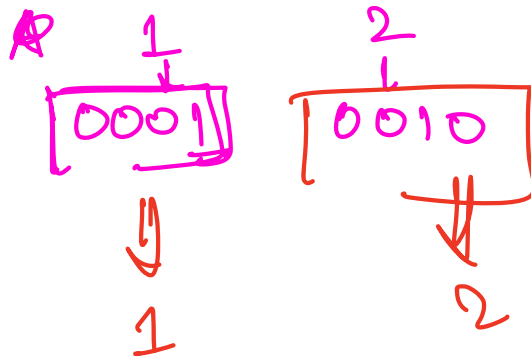
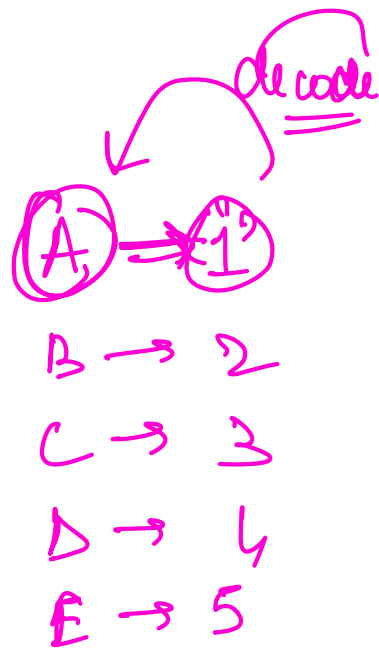


message New Arrival Resp {
 int age;

7



X



RPC (Remote Procedural Calls)

