What is an API? → Application Programming Interface

Client ← API → Server
Req
Res

Scaler.com → Req → API ← Google.com
Res

Menu Card
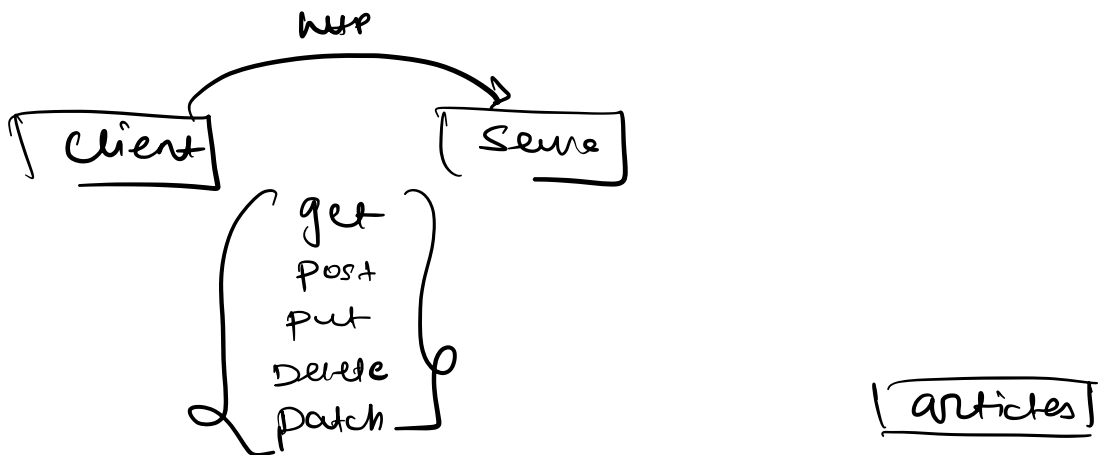Pasta
Pizza
Burger

Kitchen
Server

Res
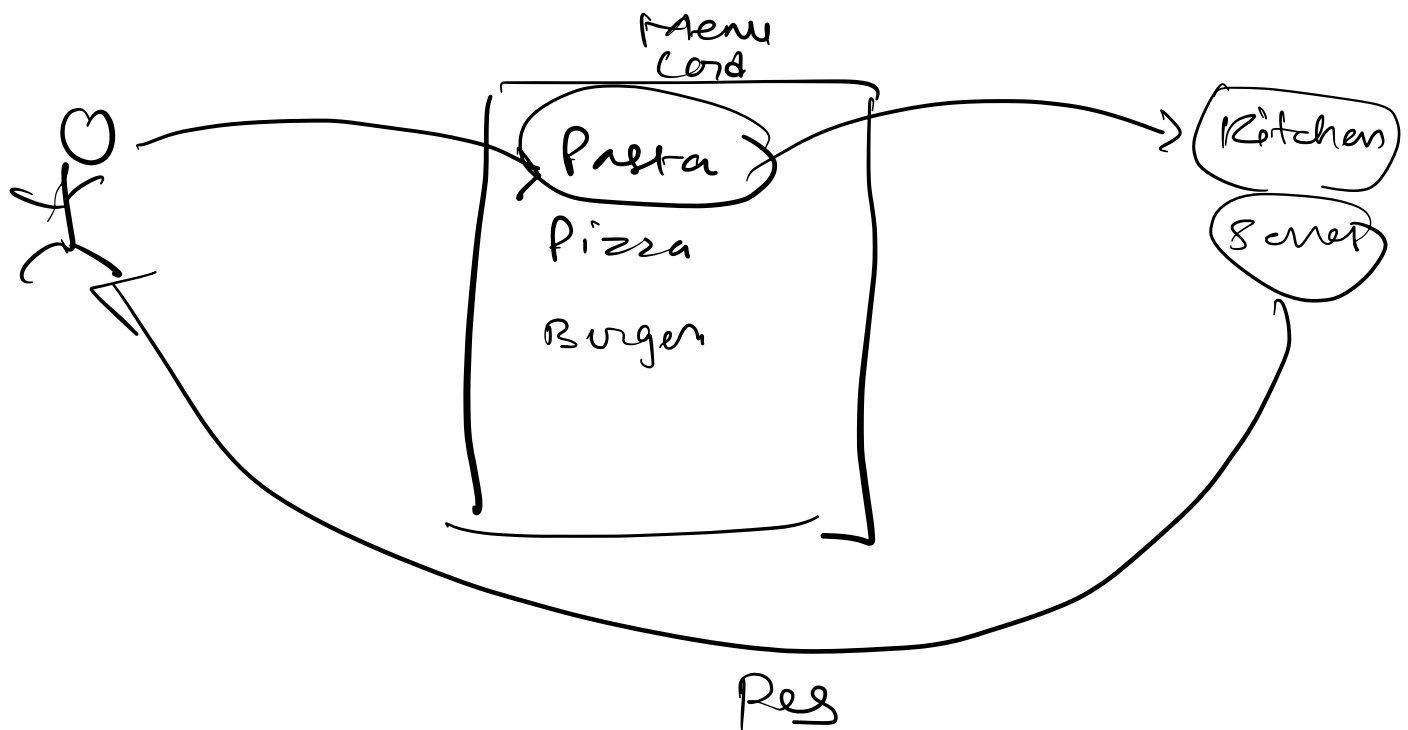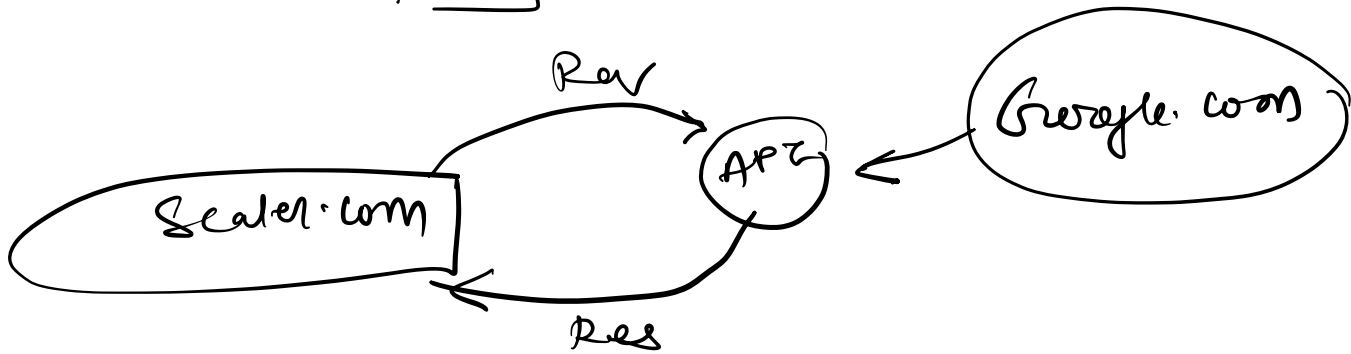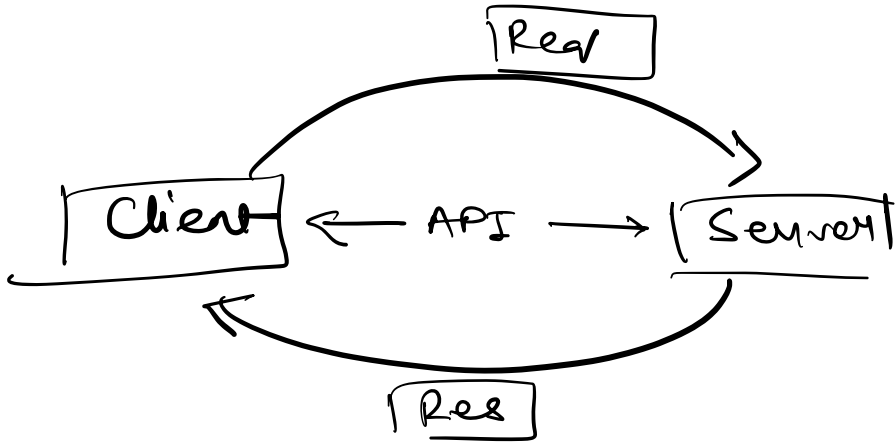
REST API

Set of Rules — that you should follo to Create an API

1) Client — Server Communication ✓

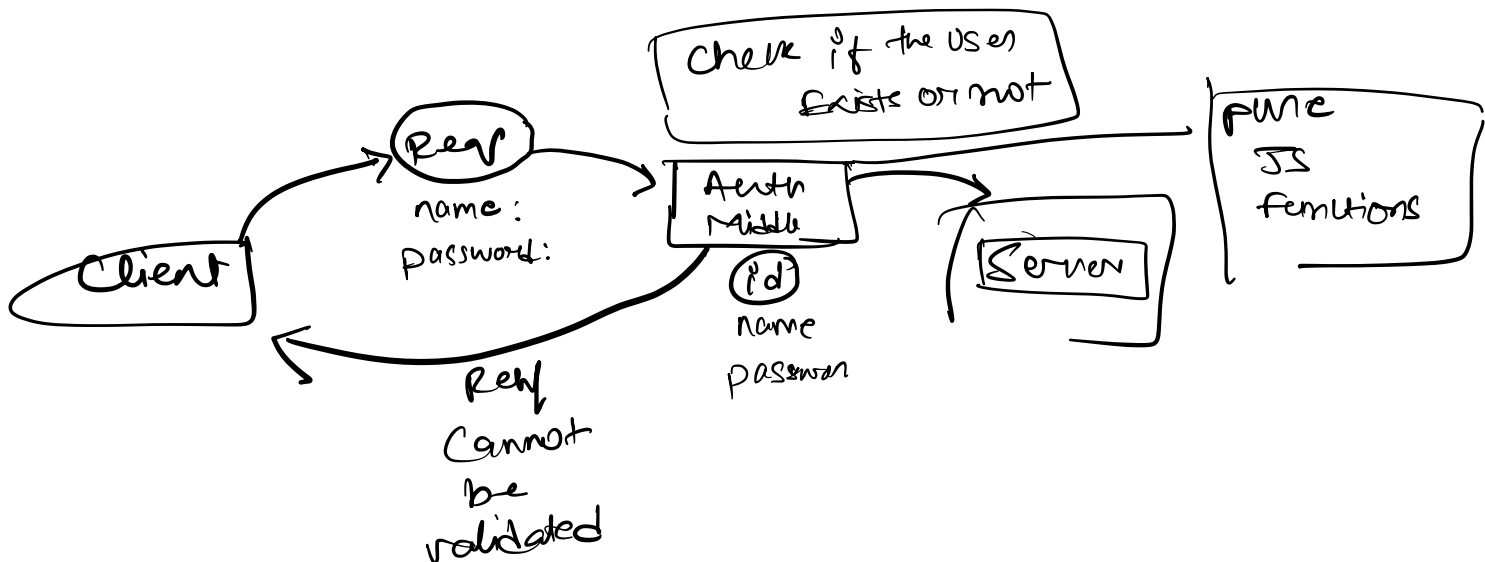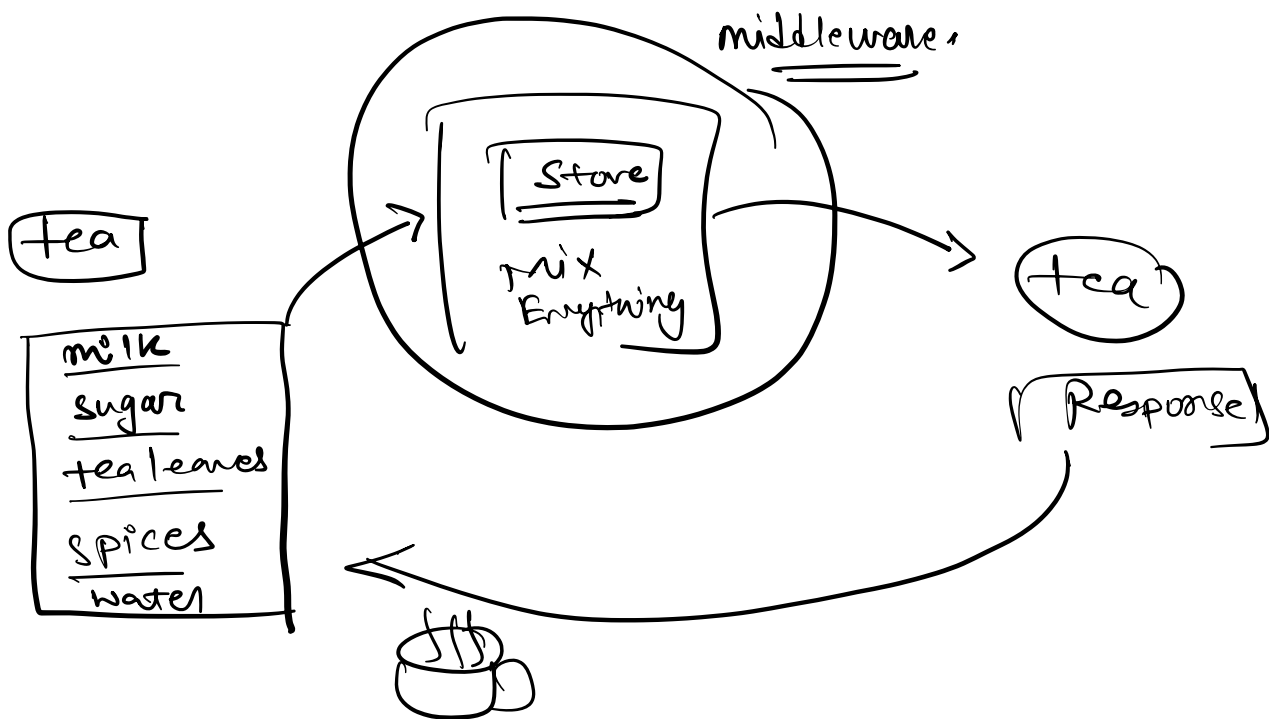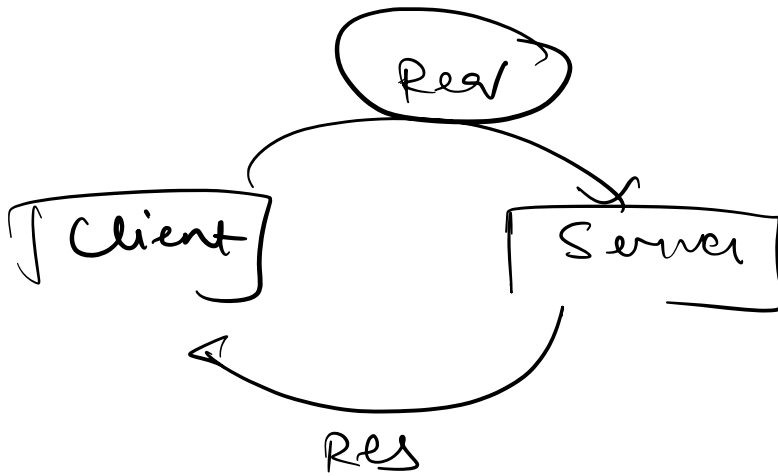2) Use http preotocol and http Methods.
   Get, post, put, delete

http

Client → Serve

{ get
  post
  put
  Delete
  Patch }
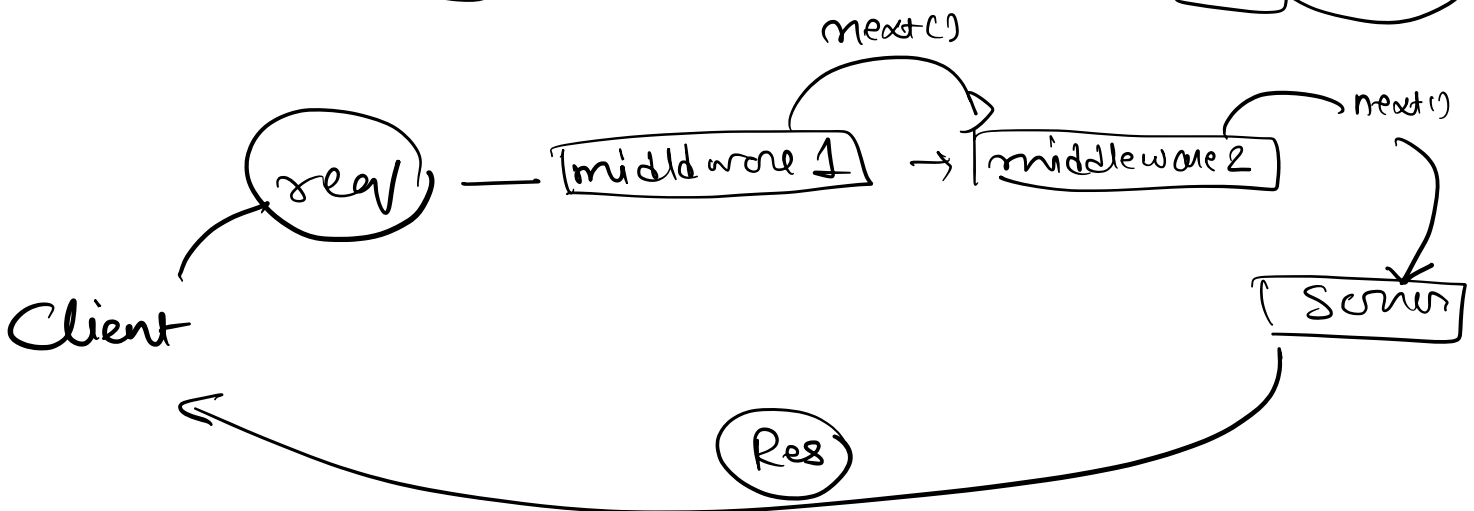
articles

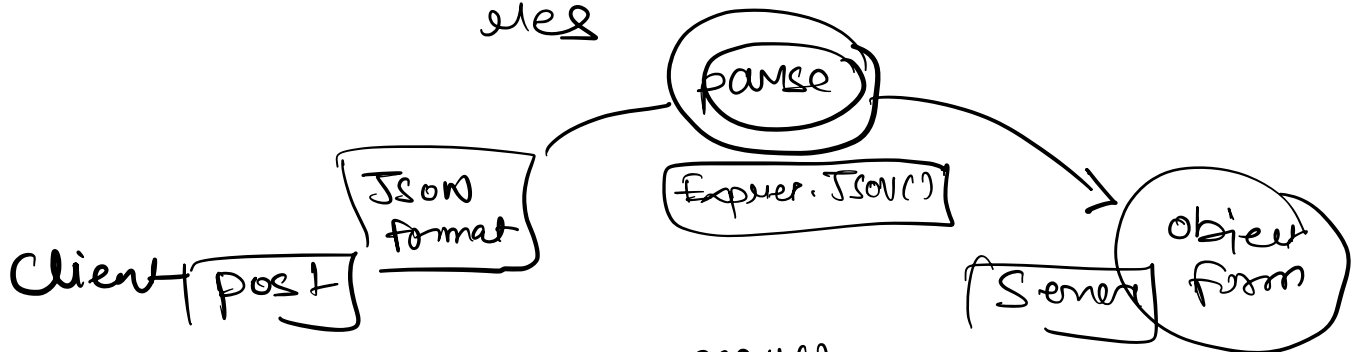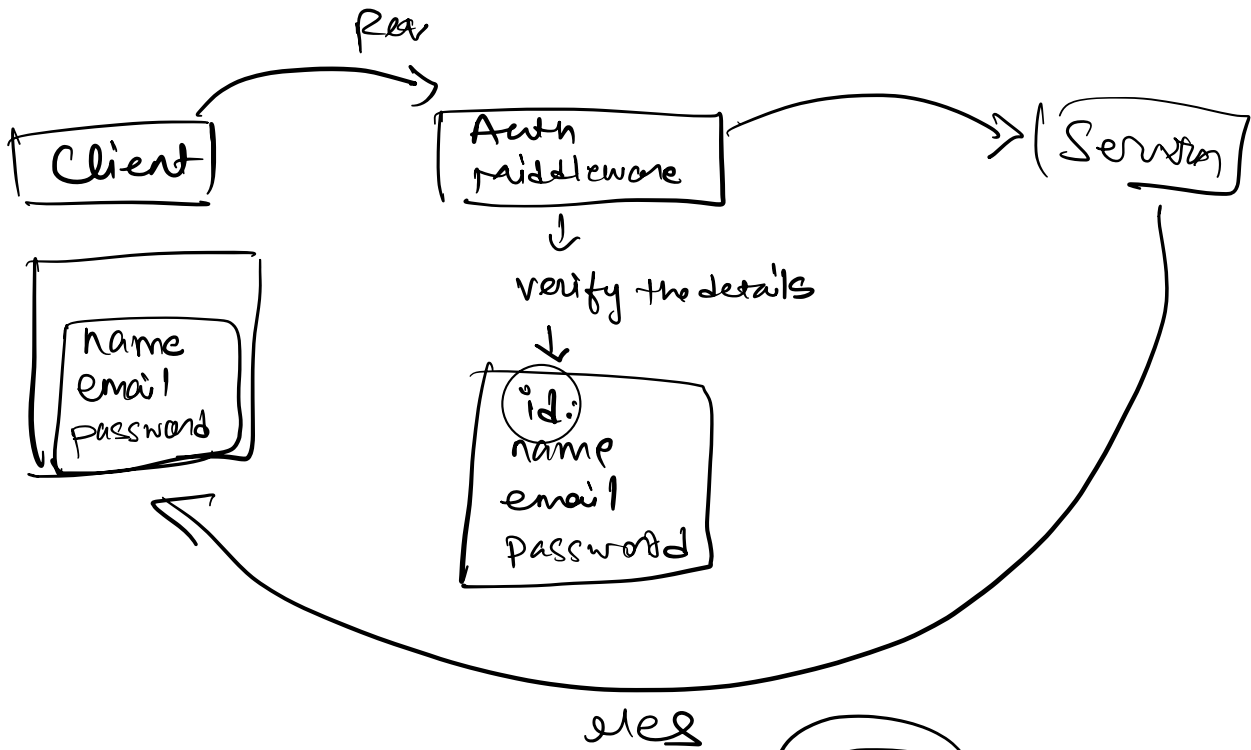1) Read → get   app.get (/articles) → prowide articles

2) Create — post   app.post (/articles) — create article

3) update → put &patch   app.put(/articles/:id) → update article

4) Delete — Delete method   app.delete(/articles/:id) — delete an
                                                            article

Middlewares.

Req

Client → Server

Res

---

middleware.

tea

| milk |
| sugar |
| tea leaves |
| spices |
| water |

Store
Mix
Everything

tea

Response

Check if the user Exists or not

Client → Req
name:
password:

→ Auth Middle
id
name
passwan

→ Server

pure JS Femutions

Req
Cannot
be
validated

Client → middleware 1 → middlware 2 → Server

Mev

Jeal

Mes

Req

Client → Auth middleware → Server

↓

verify the details

↓

(id:) name email password

name email password

Mes

---

parse

Client — Post — Json format — Express.Json() — Server — object form

---

next()

req — middlware 1 → middleware 2 — next()

Client — Server

Res

Client → Req → logger middleware → Server

Res.

Databases.

1970

SQL vs NOSQL

Relational Databases.   SQL, MySQL, Postgres

Cricket match

RCB

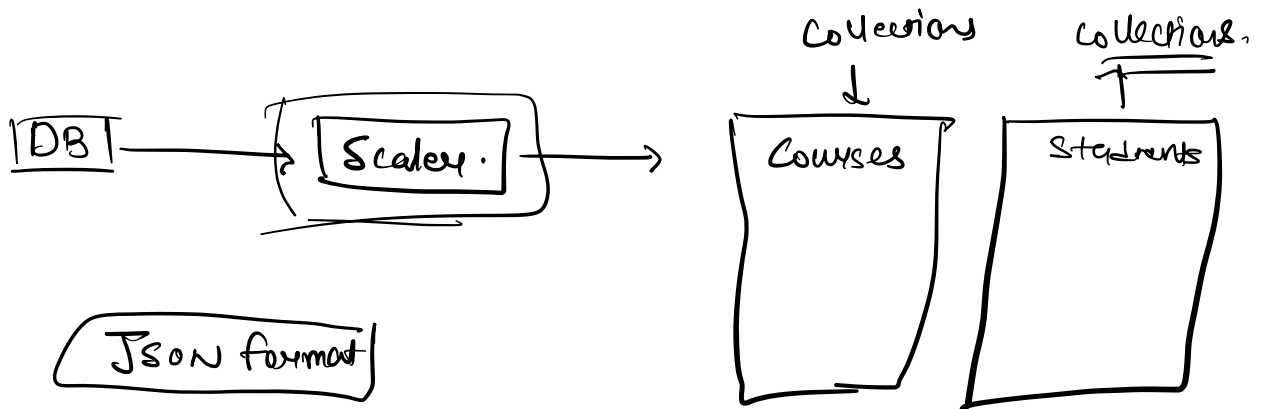| S.NO	Name	Runs	Balls	
①	Virat	70	42	1
2	Maxwell	40	19	∧
3	ABD	70	52	S.-
4	D·K	12	4	1

Primary Keys

Country

India
S A
Aus

X

Join

was to just Add Data Write Data

NO SQL Databases. — Not only SQL

Petrive Data

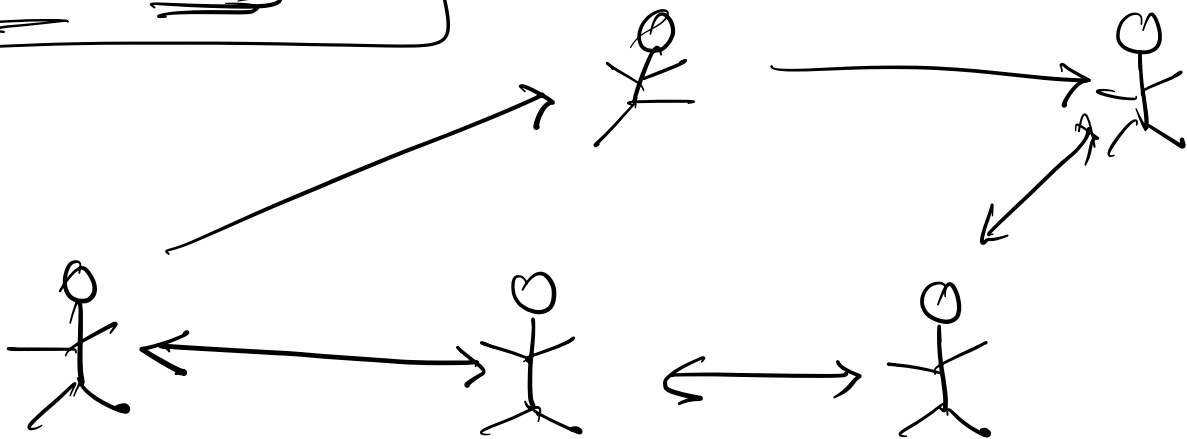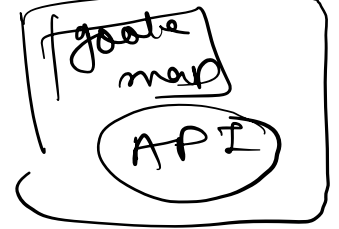1) Document based no SQL Databases. → MongoDB

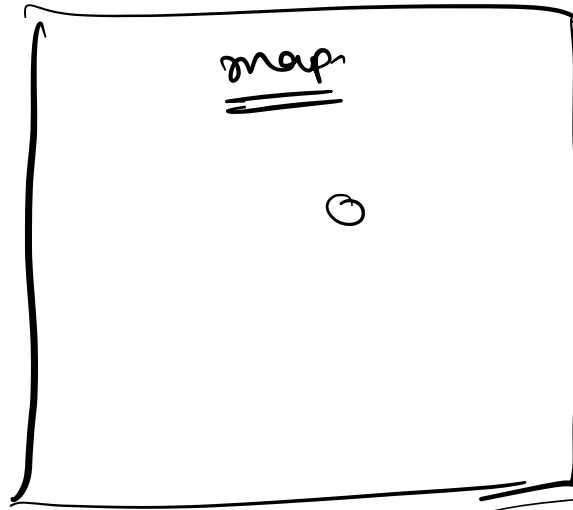Collection   Collections.
↓   ↑
DB → Scaler. →   Courses   Students

JSON format

Hash Techniques.

```
{
  object Id: ' 1 2 3 4      '
  " name: ' FS Development "
  " module": [LL01, LDD2, UBDU]
}
```

```
{
  Object ID: ' 328 '
  name: ' Backend Dev '
  module: [ 1, 2, 3, ]
}
```

3) Graph Databases.

Zomato →

map

◯

goole map

(API)

Node.js → Getting you in Js. → Js fendamental

Async Programming.

modules.

Node.js → http methods