Aggregate Queries

- Please solve assignments.

⇕

SQL - 50 Leetcode Problems

Aggregate Data

Sum

- ↳ Bank Balance [Σ credits + debits]
- ↳ No of orders
  - ↳ monthly
  - ↳ year
- % growth
- ↳ Total Portfolio value

Avg → Avg Rating of classes by Prateek

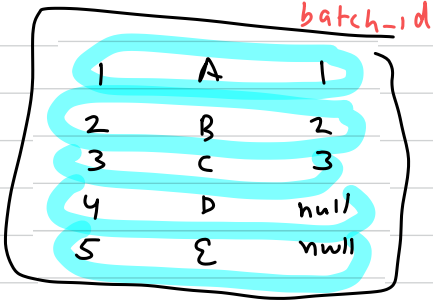
MAX / MIN → Highest PSP student

COUNT → No of orders of iphone

① COUNT

↳ set of values

↓ row or single value from one col.




```
SELECT COUNT(*)
FROM
students;
```

↓

(5)

```
SELECT COUNT(batch_id)
FROM
students;
```

GROUP BY

S_id	name	b_id	marks	instructor
1	A	B1	20	Prateek
2	B	B2	30	Naman
3	C	B3	40	Deepak
4	D	B2	50	Naman
5	E	B3	60	Deepak
6	F	B1	30	Prateek
7	G	B1	70	Prateek

→ Avg marks of all students per batch.

```
SELECT AVG(marks), b_id
FROM Students
GROUP BY b_id;
```

output →

B1	40
B2	40
B3	50

(20+30+70)/3 = 40

(30+50)/2 = 40

(40+60)/2 = 50

B1	40
B2	40
B3	50

Aggregate value, group by col, or any cols which are function of batch_id

HAVING: Find batches where avg bsp <= 40

Where → filtering out Rows before grouping (tables you have)

Having → filtering out groups after grouping (aggregated data)