-> makes read write understand complex queries eggin.

0		a					(M)
101	batch-1d 1	1 03p 1	UNIU NAME	6	,		
4	2	91	ABC =	+	barehold		ABC
17	2	84	KY2 =	7	2 \ 3	1 , 1	X45 X45
18	3	87	X45	23	1	92	ABC
23	3	92					

Q1, find out the students who have a PSP greater than PSP of Student with id = 18

Scheet a.id

from strudents a

from strudent to

on a.psp > b.psp

and b.id:18.

Student Ld

1
a3

- Sub-queries; Rasely used to do things that one Otherwike not doodste or very difficult.
 - -> Mostly used to brook down complex queries juto carrie to understand.
 - Most of the things that you can do unth subqueres, can be dove with joins
- Q1, And all the Students who have a PSP greater than PSP of Student with id = 18
 - select psp from shadows where 1d = 18;
 - (1) get Shedents with psp > 87 Select & form Student where psp > 87
 - => Combines (1) 2 (1)

Select + from students where psp >

(select psp from students where

student 2d = 18);

Select a.id

from students a

form student to

on a.psp > to.psp

cound to id=18.

Better to understand 3 2

N2

(Select & from Students where psp)

(Select psp from Shedents where

Student Id = 18);

the query new 10
threes, and for
each run. sub-query
runs 10 times
N2

performance Overhead

1	0	barehold	1980	UNIU NAME
1	.	ک	\ a1	ABC
1=	+	a	84	X72
	18	3	87	X45
	23	1	92	- ABC
1				

ga. Print the names of Student who are TA as well

Students

| 19 | Name | bestubsed | psp |

1 | Nitean | 2 | 98 |
2 | Nitean | 2 | 99 |
3 | Kund | 2 | 96 |
4 | Survil | 4 | 90 |

		114	
Ĺ	ંવ	emp	Shidery Ed
1	1	Ч	2
	d	3	NUL
	1	1	1

on t. Student Id : S. id;

11) kubquing => Select name from student :

where id in (select student id

from TA where student id k not nell);

10	mayle	
1	90	
12	60	1
3	12	
1 4	\ e3	
15	91	
1 6	s \ 84	

20 give all ids that have marks 7 70,65,80,95

101	mayle	12 ld
	90	6
2	60	2
1	12	12
,	83	9
	91	6
1,	65	. 1

id of all 8 holents
whose marks > marks all
8 holents 6-id 2

a (760) & (772)

372

10	batched	1 psp 1	ININ NAME
+	J	91	ABC
7	2	84	XY2
18	3	87	X45
23	1	92	/ ABC
Jay	1	197	-1

93. belief all Students who have marks grafer than all Students of both 3

(scheete transporte participation of contrastation of participal participation of contrastation of participation of the contrastation of the contrastation

11) ALL 30 condition should make with all values thould match conoper cond" should match with all values

select & from Students
where psp > Are (Select psp from Students where
bake-id: 3);

1) getting mutiple value from subgreny
11) match the cond" against all values
11) only if all values match the cond", go the row.

10	batch-1d	1 psp 1 u	NIU NAME
+	a	91	ABC
17	\ a	84	X72
18	3	87	x45
23	1	92	/ ABC
Jay	1	197	-

- of 4, belief all Students who have marks greater than any students of both 3,
 - (select or from students where psp >

 (select min(psp) from students)
 - 11) Arry or any lingle cond" should match

scheet & from Students
where psp > Any (Select psp from Students where
bake-id: 3);

- => CORFLATED SUBQUERIES;
- I beloct all students who have a psp greater than any psp of their batch

i) get any psp of every botch

Select aug (ps/) from students group by batch-id houring batch-id: batch-id;

11) Select Students baring psp) aug.

solver or from students where pep >

1-					
1	id	Name	botch id	Dab	
		A	(1961	ang 1 → 94
	+	1 0	1 2	90	
	2		1,	95	aug 2 → 92
	1 3	\ C		191	
	1 4	1 2	1/2	94	
	1 5	E	1 00		

Select Name from Students (S) - upper guery has a variable where psp > (
Select aug(psp))

from Students

group boy booken-id

howing booken-id = S. booken-id);

being referred in

the sub guery

and from

a seleci

id name	batch id	Dep	
+ A		1 981	
\ B	\ 2	90	
a c	1	95	
1 1	1 1	91	
1 4 1 5	\ \ \ \ \ \	199	1
5 =	1		_
	Calcula	.10	
	Calcula	4	
[0	name 155	ang Baker (s)	
\ - 1 \ \ - 1 \ \ \ \ \ \ \ \ \ \ \ \ \			

Sclot id, name, butch id, (select ang (psp) from students

group by baken-id having

beach-id: S. Gahen-id);

form & tudents S;

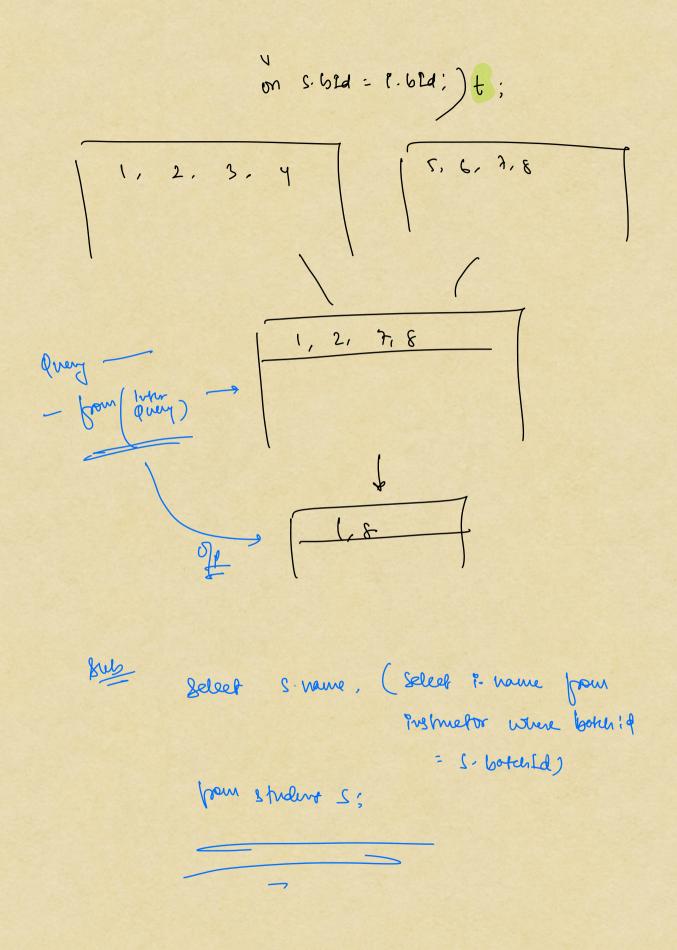
= FROM Lustructor Student 6-10 name Name 5-10 706 C Studentsame Custoctorkan Student Name felect b. name, i name foir frehnetor i on s. bid = 1.6ld; 08 au 80 tolde a use alias Sellet t. Student Name

Sellet t. Student Name

John (

John Student S

John Pustmetor i



VIEWS

Students Barches	
ia nome b-ia	
Instruction	
instd name.	
P1 3 would name of instructor for every & batch	
P2 0 1, 1, 6 atch	
p3 m, , every boten for every studen	+
St-id St Name 6-1d 6 Name Prostd Prostrame	_