



Agenda :

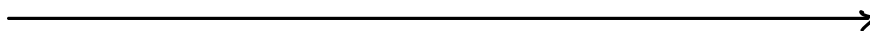
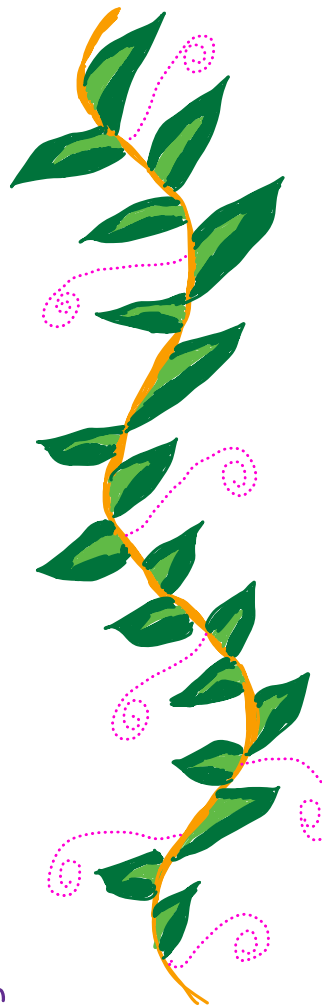
1. Update
2. Delete
 - a) Delete
 - b) Drop
 - c) Truncate
3. Joins

PS: Today's session 50% theory + 50% code

Challenge:

1. Complete assignments
2. Clear the backlog (if applicable)
3. Practice queries from live session

11th hard-day



1. Update :

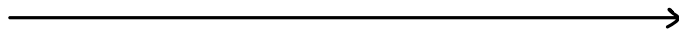
students

id	name	b-id	psp
1	John	1	80
2	Jane	1	90
3	Jim	2	85
4	Jenny	3	95
5	Jack	2	78

```
update students  
set psp = 90  
where id = 3;
```

Syntax :

```
Update table_name  
set column_name = value  
where conditions;
```



Pseudo Code :

```
for row in students:  
    if row.matches(Condn in where):  
        row[psp] = go
```

- # Don't update your P.K
- # MySQL uses a default safe mode to protect data integrity.



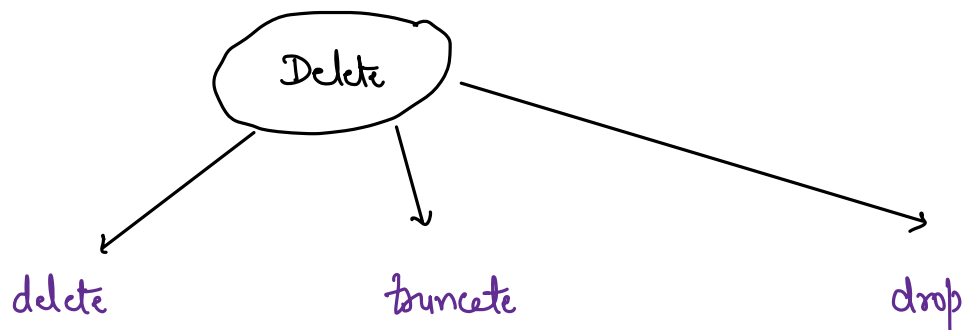
Delete :

1. Delete

Delete from table_name
where conditions ;

Pseudo Code :

```
for each row in film:  
    if row.matches(condtn in where):  
        delete row
```



Schema	No	Creates new table (same schema)	Yes
Efficient	No	Yes	
log	Yes	No	

In Truncate whole table's data is deleted.

Truncate table_name



Joins :

Students

id	name	b-id	bsp
1	John	1	80
2	Jane	1	90
3	Jim	2	85
4	Jenny	3	95
5	Jack	2	78

Batches

b_id	name
1	A
2	B
3	C

Expected o/p :

Name	batch name
John	A
Jane	A
Jim	B
Jenny	C
Jack	B

Query :

```
select      s.name ,      s.name as batch_name
from  Students  s
Join  batches  b
ON      s.b-id  =      b.b-id ;
```

Students

id	name	b_id	psp
1	John	1	80
2	Jane	1	90
3	Jim	2	85
4	Jenny	3	95
5	Jack	2	78

Batches

b_id	name
1	A
2	B
3	C

id	name	b_id	psp	b_id	name
1	John	1	80	1	A
2	Jane	1	90	1	A
3	Jim	2	85	2	B

Intermediary
table

→

```
ans = []
```

```
for each row1 in students:
```

```
    for each row2 in batches:
```

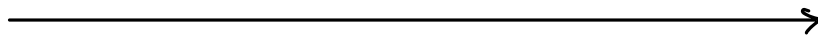
```
        if row1[b_id] == row2[b_id]:
```

```
            ans.add(row1 + row2)
```

for rows in ans:

print(rows[name], rows[batch-name])

Joins can be very slow.



Self Joins:

Students

id	name	buddy_id
1	A	2
2	B	3
3	C	1
4	D	1
5	E	1

Students

A

B

C

D

E

Buddy

B

C

A

A

A

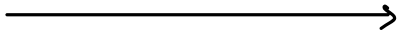
Students

id	name	buddy_id
1	A	2
2	B	3
3	C	1
4	D	1
5	E	1

Students

id	name	buddy_id
1	A	2
2	B	3
3	C	1
4	D	1
5	E	1

```
select  s.name , b.name
from    students s
join    students b
on      s.buddy_id = b.id;
```



Pseudo Code

```
ans = []  
for row1 in students:  
    for row2 in students:  
        if row1.buddy-id == row2.id:  
            ans.add ( row1 + row )  
Iterate & print ans
```