CRUD
  └→ Read:
        ⎧ Between
        ⎪   LIKE
        ⎨ IS NULL
        ⎪   ORDER BY
        ⎩   LIMIT

      UPDATE
      DELETE
      DELETE, DROP & TRUNCATE
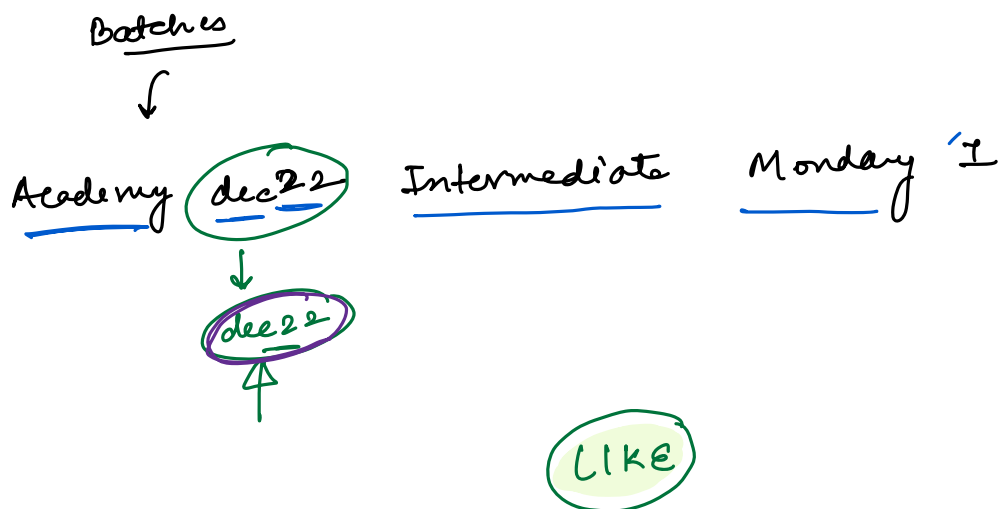
(BETWEEN) ⟶   within a range

      released ⟶   [2005 – 2010]

select → from film
where release-year >= 2005
  AND release-year <= 2010 :

        ↓
release-year between 2005 and 2010 :
                        ↓
                    inclusive

Batches

↓

Academy (dec22) Intermediate Monday I

↓

(dee22)

⇧

(LIKE)

Students first-name

select * from students where first-name

LIKE 'mohit';

'%'   '_'   .

↓   ↳ matches

match any   exactly

number of   one character

character (>=0)

'cat%'   'scat mod'

⬆   (s)cat mod category

'%cat'   's cat' ✓
                         'category ✗

'% cat %'

'scatmod' ✓

'xcautcat' → %
       ↓
       %

'ca%ot'

'cat'

'cxacvct'

'c—t'
   ↑

'caxt'
   ↑ ⤬ doesn't
       match

deezz
  ↑

select * from batches
    where name like '%deezz%';

case Insensitive
      ↓
  { you can
    make it
    case-sensitive }
  ↓
  (HW)

↱ caxt
{ c__t
  c%ot

SQL query → end with (son)

'%son'

contains the word 'moon'

'%moon%'

123 → middle   5 character

%123% ←——— 369 (123) ?
⌐   ↓
> 1 charate   Yes

_123_

(_12_-_) ≠ 12345
   ↑↑↑ ⌐—→ 41246

- film whose description is NULL.

X select * from film where
    description = NULL;

↳ This will
   not work.

(NULL) == NULL ⟶ false

empty Brain = empty Basket ✗

empty int = empty string ✗

NULL != NULL

NULL != anything

is NULL

select * from film where
   description is NULL;

is NOT NULL;

customes   (id) , ... , ...
    ↓   → int
Find all customer   other than id 2;

select * from customes where id != 2; ✗

select * from customes where id != 2
                    or id is NULL; ✓

select * from film   order by title;

film which released in 2006 orde by title.

select * from film where release-year = 2066
                    orde by title;

```
filt_ans = []
        for each row in film:
                if ( row matches where cond^n)
                    filt_ons. insert (row)


        filt_ans. srt (____);
```

Break: |10:35| pm

Be aware of use of
distinct with order by

```
{  selet distinct title from film
            order by release-year;
```

This doesn't work;

Delete

delete from film;

↓

log every row delete

↓

rollback

table structure will be intact

auto inc doesn't get reset

Truncate

Truncate film;

no log of deletion of rows

↓

no rollback

structure of table remains intact

auto incurrent gets reset

drop

drop table film;

completely deletes

↓

no rollback

↓

no structure of table available

y 2006

$x \longrightarrow$ 2003

$x \longrightarrow$ 2012

z 2023

order by

y y x

x x y

z z z