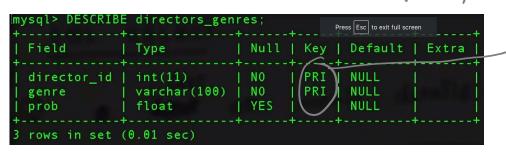
58L:-

(ISE < DB\_NAME> -> Use in dectabolic

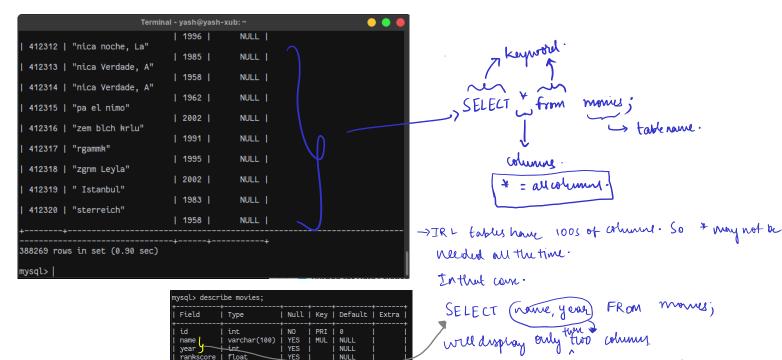
SHOW TABLES; ---- A wit of all tables in the database

DESCRIBE < lable-name> -> Shows a survey of the table's columning tridides datatypes, length knames.



Two primary keys. Genre is not unique but combination of Grewer dir. id gives a unique value (probability).
The type of primary key is could composite primary key.

## -> Apps Websity and them un adolabase



-The tabular output generated after running a command is called a greatest.

-> SELECT \* is always going to shower than SELECT \_ - Specific columns.

This order can be anything. Doesn't recessarily have to be the same order in the original take.

- We how't ten S&L how to print it. S&L is a

dellerative language. Not a provedural language.

But the order in which the rows appear in the result-set will be the same.

This is called one order processivation.

\*\* There is no proper graduate that the order will be the same unless ORDER BY is used \*\*

- Using backticks (') allow us to add special chearacters in column names.

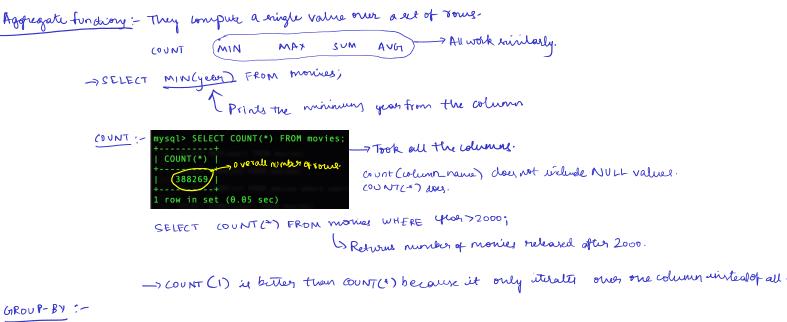
LIMIT: - when we don't would all nowle to be displayed at once. ex: SELECT name, year FROM numis LIMIT 20; \_\_\_\_ displays only 20 values -> SELECT name, year FROM movies LIMIT 20 OFFSET 20; -> gnote offset first 20 value & Print The nemt 20 Values. -> SELECT name, year FROM morning LIMIT 20 OFFSET 40; -> ignore offset the first 40 values 2 point the next 20 values. Similar to page 1, page 2 etc., in groupe Search resulte ORDER BY:toylename Shunn rames -> First 10 remity. Simles to 'Sort by' in websites. > order 1 Defaut is Ascerding order. Harry Potter and the Half-Blood Prince Tripoli War of the Red Cliff, The Rapunzel Unbraided Untitled Star Trek Prequel Harry Potter and the Order of the Phoenix Andrew Henry's Meadow American Rain 0 rows in set (0.15 sec) Sorting by muttiple column: - SELECT \_\_\_ FROM \_\_\_ ORDER BY column\_1 ASC, column\_2 DESC; Grisst sorts by column\_1 in Ascending order to them sorts by column\_2 in tescerding order DISTINCT: - Get all unique value in the column en SELECI DISTING genore FROM morines; Ali guves will be pointed. Distinct com also be used on multiple columns SELECT DISTINCT figure name, loutename FROM distretory; ( Will let all unique name combinations (Apply distinct on one column but display multiple columne ?) WHERE: Apply condition to the quary. en: SELECT name rankside from movie WHERE rankside 79; Only moning with vating >9 SELECT + FROM MOVIES WHERE remesore >9 ORDER BY Younkswe; I some grong but ordered by remksions in Ascureling order. -> The conditions output can be (1) TRUE (i) FALSE (ii) NULL != & < > both amply not equal to in Sgr.

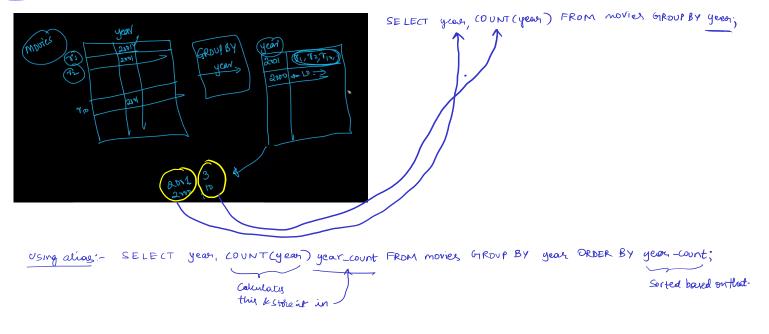
all morries except those whose rating is equal to I.

SELECT + From movies WHERE voiting <>1.0;

```
Likeyword.
   '=' does not work with NULL.
        en: - Serect + from movies volume rankscore = NULL;
                  Swim return ampty set.
      IS NULL & IS NOT NULL Should be used intend.
              SELECT * FROM Morney WHERE Bank Sure IS NOT NULL;
                                                             NULLS
  -> SELECT + FROM noming WHERE ranks we LIKE 9.8;
                                            LIKE thes to match that pattern where = 98 tries to find
                                             the anact same value. Sometimes LIKE performs belter.
Legical Operators: -
      AND OR NOT ALL ANY BETWEEN EXISTS IN LIKE SOME
     AND: - Boly word 1 k cord 2
      NOT: - SELECT + from movie WHERE NOT year <- 2000;
                                          > years >2000 only.
      OR : only one could have to be true.
      BETWEEN :- SELECT + FROM movies W*ERE year BETWEEN 1999 AND 2000;
                                                     ( stame as ( year > 1999 AND year ≤ 2000.)
                                                        Incluime rauge ie, (999 & 2000 avenduded.
                    BETWEEN a and b;
                   a should always be < b otherwise it will result in an empty net.
      IN: - SELECT + FROM movies where genere IN ('Conedy', 'Horrow'),
                                              (Same as (genere = 'Converdy' Ok grune = 'Hôrara';)
      LIKE :- It we wave name like Best ...."
             SELECT * FROM mories where name LIKE Bat ?!; Indicate 0 or more chosorters Regular Expression)
                                                           3, It's called a wildward character.
                                                       - :- Atmost one charactes.
                                                             - atman'
                                                               Batman X
                                                   -> Pacerlash is the escape distraction.
                                                     ex: if working with percentages.
                                                                Show all 1.9_ marke.
```

NULL - unknown / missing ) does not exist





. GROUP BY group all the null values into one now. Grouping old year numbers: SELECT year, COUNT (year) year-count FROM movies GROUP BY year WHERE year 1.21=0 ORDER BY year sount;

HAVING: SELECT year, COUNT(year) year\_count FROM movies GIROUP BY gener HAVING year\_count >1000; order of execution:

- HAVING is often used with GROUP BY, but it's not mandalong SELECT name, movies FROM movies HAVING Year > 2000; Some as SELECT name, movies FROM movies WHERE Yelog > 2000;

- -> HAVING a applied on groups, WHERE is applied on rows. HAVING is applied after grouping, WHERE is applied before grouping.
- -> HAVING used do table Space scan & WHERE will be table space scan. WHERE is better when agranging is not required -

## Order of Keywords:

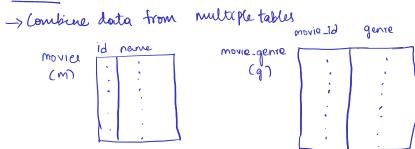
```
ALL | DISTINCT
[HIGH_PRIORITY
                                  DISTINCTROW]
               [STRAIGHT_JOIN]
               [SQL_SML_RESULT] [SQL_BIG_RESULT] [SQL_BUFFER_RESULT]
SQL_NO_CACHE [SQL_CALC_FOUND_ROWS]
 5
             select_expr [, select_expr ...]
             FROM table_references
                [PARTITION partition_list]
            WHERE where_condition]
[ROUP BY {col_name | expr | position}, ... [WITH ROLLUP]]
10
11
12
             [HAVING where_condition]
13
             [WINDOW window_name AS (window_spec)
          [, window_name AS (window_spec)] ...]

ORDER BY {col_name | expr | position}

ass DESC], ... [WITH ROLLUP]]

[IMI] {[offset,] row_count | row_count OFFSET offset}]
14
15
16
17
18
             [INTO OUTFILE 'file_name'
19
                  [CHARACTER SET charset_name]
20
                  export_options
21
               | INTO DUMPFILE 'file_name'
22
                | INTO var_name [, var_name]]
23
             [FOR {UPDATE | SHARE} [OF tbl_name [, tbl_name] ...] [NOWAIT | SKIP LOCK
               | LOCK IN SHARE MODE]]
```

## JOINS :-

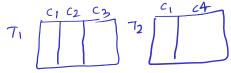


SELECT m. name, q. genre From movies m John movie-genres g ON m. id=q. movie-id LIMIT20;

id is the common row in both table.

The above query is called an inner join.

Natural your: - when the column names one some in both tables, ON can be skipped.



SELECT \* FROM TI JOIN T2;

M Same as

SELECT \* FROM TI JOIN T2 ON TICL = T2CI;

in barne as

SELECT \* FROM TI JOIN T2 USING(CI);