(4) GROUP BY Statements

(4.1) MIN MAX SUM AVG. aggregate Sunctions.

Eg: SELECT AVG(amount) FROM payment; — do - ROUND (AVG (amount), 2) -. do -

SELECT MIN(amount) From Payment;

SELECT amount From payment;

ORDER BY amount;

SELECT MAX (amount) FROM payment; SELECT AVG (amount) FROM payment;

SELECT SUM (amount) From payment;

4.2 GROUP BY

The GROUPBY Clause divides the Good retwined from the SELECT Statement into groups.

-> For each group, you can apply an aggregate function;

Eg:- -> (dalating the sum a items)

Eg: --> Count the number g items in the groups

Syntax

SELECT Column_1, aggregate-function (Column_2)

FROM table_name GROUP By Column-1;

SELECT & From Payment FROUP BY Wastering;

SELECT Cust-vid, SUM (amount)
FROM payment.
GROUP BY Cust-id.
ORDER BY SUM (amount) DESC;

SEZECT Styl-it, COUNT (Payment_id)
FROM payment.
GROUPBY Staff_id;

SELECT goting, COUNT (qualing)
FROM film &
GROUP By grating

SELECT * FROM film.

SELECT rental-duration, Count (rental-duration)

FROM films

GROUPBY rental-duration;

14.3

HAVING Stadement

> We often use the HAVING Clause in Conjunction with the GROUPBY Clause to filter group rows that do not satisfy a specified Godition.

Syntax

SELECT Column-1, aggregate-function (Column-2)
FROM table-name

GROUP By Column-1

HAYING Condition;

Gratition for group rows Greated by the ge AROUP BY Clause after the GROUP BY Clause applies; while the Judent clause sets the Condition for individual hows before GROUP BY Clause applies => This is the difference blu the two

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SELECT Cust-id, SUM (amount)

FROM payment

CIPOUPBY Cust-id.

MIHAVENG SUM (amount) > 200;

SELECT Store-id, COUNT (automorid)

FROM Customer id

GROUP BY Store-id

HAVING (OUNT (automorid) > 300

SELECT trating, sontal-rate. AVG (runtal-rate)

FROM film

WHERE rating IN (R', 6', PG');

GROUP BY rating;

HAVING, AVG (runtal-rate) < 3.