The CASE expression goes through conditions and the condition when the first condition is met (like if wetworks the value in the Else of prie, it outurns the value in the ELSE clause.

If shere is no ELSE part and no conditions are Inc., it refumes NULL.

Also called CASE STATEMENT. MORNING BANATH

CASE Statement Syntax both as a 2 3 0 00000 General CASE Syntern

CASE WHEN conditions. THEN susulfit WHEN condition 2 THEN ousult 2 WHEN Condition N THEN DesultN ELSE other\_visulf SELECT ONC

END;

Example 1)

SELECT customer -ich jamount,

CASE WHEN amount > 100 THEN Expensive Product 1 WHEN amount = 100 THEN Moderate Product

FROM ony - che.

ELSE Inexpensive production and to have

END AS Proclict Status

FROM payment

Example 2

SELECT austomer\_id,

CASE amount

WHEN 500 THEN (Prime Customer) WHEN 100 THEN 1 Plus Customer) ELSE I Regular Customer

END AS Customer Status

FROM payment.

## COMMON TABLE EXPRESSION (CTE)

A common table expression, or CTE, i's a temporary named we sult set created from a simple SELECT statement.

O We can define CTES by adding a WITH clause directly before SELECT, INSERT, UPDATE, DELETE, Or MERGE Statement.

O The WITH clause can include com one or more CTES separated by commas.

Syntax WITH my-cle AS ( SELECT a,b,C) CTE quany FROM Table 1)

SELECT a, c Je Main query FROM my-cte.

The name of this CTE is my-cle, and the CTE query is SELECT a, b, c FROM Table I. The CTE Starts with the WITH Keyword, after which you specify the mome of your CTE, then the content of the query in parentheses. The main query comes after the closing parenthesis and very comes after the closing parenthesis and very also known as the output query) is SELECT a, c FROM may-cte.

CON THEM! I Pulses Prestoured

1) CTE-Example WITH my - SELECT & AVG (amount) OVER (ORDER BY p. customers-ich) AS "Average-Price" COUNT Caddress\_id) OVER (ORDER BY c. customer-id) AS ((Count)) FROM payment as p show to quose INNER JOIN automer ASC ON p. customer\_fol = c. customer\_9d SELECT first norme, lost norme FROM my-cte. 1 Example Multiple CTES JOIN onth- CHE and ON payment mode WITH my SPASC SELECT AL, AVCs (amount) OVER (ORDER BY p. customer\_id) AS (Average-Price) COUNT Caddress\_id) OVER (ORDER BY C. customer\_id) AS (Count) Front payment as pos sonos. Ilespor = sonos INNER JOIN customer AS C ON p.customer-icl = c-customer-icl my-caAs C SELECT & FROM customer asc INNER JOIN address As a ON a address id = c. address - id INNER JOIN country ascc ONCC. city-id = a.city-id SELELECT cp. first\_name, cp. last\_name, ca.city, ca. country, cp. amount FROM my-ca as ea, my-cay 192012 Pina

(2) Example Advance WITH my-cte AS C SELECT mode, MAX (amount) As highest-price, SUM (amount) AS total\_price FROM payment CHOUP BY mode my. hig hest pos'ce, my-total. bez,co FROM paymen JOIN ony-cte ony ON paymont, mode = my. mode ORDER By payment mode.