



Day 12

Conditional Statements - Part 2

(CASE)





CASE Statements

- MySQL **CASE** expression is a control flow structure that allows you to add if-else logic to a query.
- The **CASE** statement goes through conditions and return a value when the first condition is met.



General Syntax :

```
CASE
  WHEN condition1 THEN result1
  WHEN condition2 THEN result2
  .           .           .           .           .
  .           .           .           .           .
  WHEN conditionN THEN resultN
  ELSE result
END;
```



Key Points :

- Once a condition is true, it will stop reading and return the result.
- If no conditions are true, it will return the value in the **ELSE** clause.
- If there is no **ELSE** part and no conditions are true, it returns **NULL**.



Use Case Example :

Query :

```
WITH cte AS (  
    SELECT  
        customerName,  
        COUNT(*) orderCount  
    FROM  
        orders  
    INNER JOIN customers  
        USING (customerNumber)  
    GROUP BY customerName  
)  
SELECT  
    customerName,  
    orderCount,  
    CASE orderCount  
        WHEN 1 THEN 'One-time Customer'  
        WHEN 2 THEN 'Repeated Customer'  
        WHEN 3 THEN 'Frequent Customer'  
        ELSE 'Loyal Customer'  
    end customerType  
FROM  
    cte  
ORDER BY customerName;
```

#56daysofSQL

Output :

customerName	orderCount	customerType
Alpha Cognac	3	Frequent Customer
Amica Models & Co.	2	Repeated Customer
Anna's Decorations, Ltd	4	Loyal Customer
Atelier graphique	3	Frequent Customer
Australian Collectables, Ltd	3	Frequent Customer
Australian Collectors, Co.	5	Loyal Customer
Australian Gift Network, Co	3	Frequent Customer
Auto Associés & Cie.	2	Repeated Customer
Auto Canal+ Petit	3	Frequent Customer
Auto-Moto Classics Inc.	3	Frequent Customer
AV Stores, Co.	3	Frequent Customer
Baane Mini Imports	4	Loyal Customer
Bavarian Collectables Imp...	1	One-time Customer
Blauer See Auto, Co.	4	Loyal Customer
Boards & Toys Co.	2	Repeated Customer
CAF Imports	2	Repeated Customer
Cambridge Collectables Co.	2	Repeated Customer
Canadian Gift Exchange N...	2	Repeated Customer
Classic Gift Ideas, Inc	2	Repeated Customer