**Day 36 - 90 days of Analytics: Case ... When**

In today’s video, we looked at the CASE .. WHEN clause with SQL queries

The following were mentioned

-The **CASE** clause goes through conditions and returns a value when the first condition is met (like an if-then-else statement). Once a condition is true, it will stop reading and return the result. If no conditions are true, it returns the value in the ELSE clause. If there is no ELSE part and no conditions are true, it returns **NULL**.

-Syntax of CASE clause

CASE

WHEN *condition1* THEN *result1*

WHEN *condition2* THEN *result2*

WHEN *conditionN* THEN *resultN*

ELSE *result*

END;

-Example with the CASE clause

SELECT \*,

(CASE

WHEN Age<=25 THEN "Young"

ELSE "Old"

END) AS AgeDescription

FROM staff\_db.staffdemographic;

-The **BETWEEN** operator selects values within a given range. The values can be numbers, text, or dates. The **BETWEEN** operator is inclusive (begin and end values are included).

-Syntax of BETWEEN clause

SELECT *column\_name(s)*

FROM *table\_name*

WHERE *column\_name* BETWEEN *value1* AND *value2*;

-Examples with the BETWEEN clause

SELECT \*,

(CASE

WHEN Age<=25 THEN "Young"

WHEN Age BETWEEN 26 AND 30 THEN "Middle age"

ELSE "Old"

END) AS AgeDescription

FROM staff\_db.staffdemographic;

SELECT \*,

(CASE

WHEN Age<=25 AND Gender='Male' THEN 'Young Man'

WHEN Age<=25 AND Gender='Female' THEN 'Young Woman'

WHEN (Age BETWEEN 26 AND 30) AND Gender='Male' THEN 'Middle aged Man'

WHEN (Age BETWEEN 26 AND 30) AND Gender='Female' THEN 'Middle aged Woman'

WHEN Age>30 AND Gender='Male' THEN 'Old Man'

WHEN Age>30 AND Gender='Female' THEN 'Old Woman'

END) AS AgeDescription

FROM staff\_db.staffdemographic;

Link to the YouTube Recording: <https://www.youtube.com/watch?v=U8ZWxmhWxWM>

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