

CASE STATEMENT

Products

① Product-id	Product-name	Price	Price - category
1	Laptop	1200	Expensive
2	Phone	800	Mid-range
3	Keyboard	45	Budget
4	Monitor	300	Mid-range
5	Mouse	25	Budget



Syntax

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SELECT product-name,
       price,
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CASE

WHEN price < 100 THEN 'Budget'

WHEN price BETWEEN 100 AND 1000 THEN 'mid-range'

WHEN price > 1000 THEN 'Expensive'

END AS price-category

FROM Products;

② SELECT customer-name,

amount,

CASE

WHEN amount >= 1000 THEN 'High value'

WHEN amount BETWEEN 500 AND 999.99 THEN
'medium value'

WHEN amount < 500 THEN 'Low value'

END AS order-value - category

From orders



customer-name	amount	Order-value - category
Alice	150.00	Low-value
Bob	560.00	Mid-value
Charlie	999.99	Medium-value
Diana	45.50	Low-value
Ethan	1200.00	High-value



(3) SELECT emp-name,
department,
salary,

CASE

WHEN department = 'IT' AND salary > 80000 THEN 'Senior IT'

WHEN department = 'HR' AND salary > 55000 THEN 'Experienced HR'

ELSE Staff

END AS position-level

FROM employees;

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emp-name	department	salary	Position-level
John	IT	85000	Senior IT
David	HR	60000	Experienced HR
Mark	IT	75000	Staff
Lucy	Finance	95000	Staff
Tom	HR	65000	Experienced HR

(4) SELECT student-name,
score,

CASE

WHEN score >= 90 THEN 'A'

WHEN score BETWEEN 80 AND 89 THEN 'B'

WHEN score BETWEEN 70 AND 79 THEN 'C'

WHEN score BETWEEN 60 AND 69 THEN 'D'

ELSE 'F'

END AS grade

FROM students

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student-name	score	grade
Anny	92	A
Ben	76	C
Caro	69	F
Daniel	83	B
Ella	68	D

(5) SELECT delivery-id,
delivery-time-minutes,

CASE

WHEN delivery-time-minutes ≤ 30 THEN 'Fast'

WHEN delivery-time-minutes BETWEEN 31 AND 60 THEN
'on time'

ELSE 'late'

END AS performance

FROM deliveries;



delivery-id	delivery-time-minutes	Performance
1	45	On Time
2	50	Late
3	30	Fast
4	65	Late
5	100	Late

(6) SELECT issue-type,
delivery-time-minutes,

CASE

WHEN priority = 3 THEN 'High'

WHEN priority = 2 THEN 'Medium'

WHEN priority = 1 THEN 'Low'

END AS priority-label
FROM tickets;



issue-type	priority	priority-label
login issue	1	low
server down	3	high
blob system	2	medium
email error	2	medium
Password reset	1	low

(7) Attendance percentage and status

SELECT student-id,

$(\text{days-present} \times 100 / \text{total-days})$ AS attendance-percentage,

CASE

WHEN $(\text{days-present} \times 100 / \text{total-days}) \geq 90$ THEN 'Excellent'

WHEN $(\text{days-present} \times 100 / \text{total-days})$ BETWEEN 75 AND 89 THEN
'Good'

ELSE 'Needs Improvement'

END AS attendance-status

FROM attendance;

↓

student-id	attendance-percentage	attendance-status
1	90.0	Excellent
2	60.0	Needs Improvement
3	96.0	Excellent
4	50.0	Needs Improvement
5	100.0	Excellent

(8) Label stock status

SELECT product-id, stock-qty,

CASE WHEN stock-qty = 0 THEN 'Out of Stock'

WHEN stock-qty BETWEEN 1 AND 4 THEN 'Low Stock'

ELSE 'In Stock'

END AS stock-status

FROM products-inventory

product_id	stock_qty	stock-status
1	5	In stock
2	0	Out of stock
3	25	In stock
4	10	In stock
5	3	Low stock

(9) Classify class size

SELECT subject,
enrolled-students,

CASE

WHEN enrolled-students $>= 25$ THEN 'Large'

WHEN enrolled-students BETWEEN 10 AND 24 THEN 'Medium'
ELSE 'Small'

END AS class-size-category

FROM classes



Subject	enrolled-students	class-size-category
Math	30	Large
English	25	Large
Science	15	Medium
Art	5	Small
History	20	Medium

(10) Apply discount flag

SELECT payment_id,
payment-method,
amount,

CASE WHEN payment-method = 'Cash' AND amount $>= 200$ THEN
'Eligible for discount'
ELSE 'Not Eligible'



EB AS discount-eligibility
from payments;



payment-id	payment-method	amount	discount-eligibility
1	Carol	50.00	Not Eligible
2	Cash	200.00	Eligible for discount
3	Carol	150.00	Not Eligible
4	PayPal	75.00	Not Eligible
5	Cash	300.00	Eligible for discount

through pg 99

through pg 99 (2)

through pg 99 (2)

right next

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