

EXERCISE 3

4 Assign a letter grade

SELECT student_name,
score

CASE WHEN grade < 60 THEN 'F'

CASE WHEN grade BETWEEN 60 AND 69 THEN 'D'

CASE WHEN grade BETWEEN 70 AND 79 THEN 'C'

CASE WHEN grade BETWEEN 80 AND 89 THEN 'B'

ELSE 'A'

END AS Grade

From Students;

Student_name	Score	grade
Anna	92	A
Ben	76	C
Cara	59	F
David	83	B
Ella	68	D

5) Label delivery performance

SELECT delivery_id,
delivery_time_min

CASE WHEN delivery_time ≤ 30 mins THEN 'fast'

CASE WHEN delivery_time BETWEEN 31 AND 60 THEN 'on time'

CASE WHEN delivery_time > 60mins THEN 'late'

END AS performance

From deliveries ;

delivery_id	delivery_time_min	Performance
1	45	On time
2	80	Late
3	30	Fast
4	65	Late
5	100	Late

6 Convert priority tables

SELECT issue-type,
priority

CASE WHEN priority 1 THEN 'Low'

CASE WHEN priority 2 THEN 'medium'

CASE WHEN priority 3 THEN 'High'

END AS priority_label
FROM tickets.

issue-type	Priority	Priority Label
Login issue	1	low
Server down	3	High
Slow system	2	medium
Email error	2	medium
Password res	1	low

7 Calculate attendance % and classif

Percentage calculation

$$\frac{50}{100} \times \frac{45}{100} = 90\%$$

Select student_id
attendance_perfrege

$$\frac{50}{100} \times \frac{30}{100} = 60\%$$

CASE WHEN percentage < 75% THEN 'Needs improvement'

CASE WHEN percentage Between 75 AND 85 'Good'

$$\frac{50}{100} \times \frac{45}{100} = 90\%$$

CASE WHEN percentage > 90 THEN 'Excellent'

$$\frac{50}{100} \times \frac{20}{100} = 50\%$$

END AS attendance_Status

FROM Student

$$\frac{50}{4} \times \frac{50}{100} = 100\%$$

student_id	attendance_qt	attendance_Status
1	90%	Excellent
2	60%	Needs improvement
3	95%	Excellent
4	50%	Needs improvement
5	100%	Excellent

8) Label Stock Status

SELECT product_id,
Stock_qty

CASE WHEN status = 0 THEN 'out of stock'

CASE WHEN status Between 1 AND 5 THEN 'Low stock'

CASE WHEN status = 5 THEN 'In stock'

END AS Stock_Status

FROM products ;

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