

Exercise 3: SQL Case Statements

Table 1: Products

```

Select Product-name, Price,
CASE WHEN price > 1000 Then 'expensive'
      When Price Between 100 And 1000 Then 'Mid-range'
      When Price < 100 Then 'Budget'
   End AS Price-category
FROM Products;
  
```

Product-name	Price	Price-category
Laptop	1200.00	Expensive
Phone	800.00	Mid-range
Keyboard	45.00	Budget
Monitor	300.00	Mid-range
Mouse	25	Budget

Table 2: orders

```

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
  
```

Customer Name	Amount	Order Value Category
Alice	150.00	Low Value
Bob	560.00	Medium Value
Charlie	999.99	Medium Value
Diana	45.90	Low Value
Ethan	1200.00	High Value

Table 3: Employees

Select emp_name, department, salary,

Case When department = 'IT' AND salary > 80000 Then 'Senior IT'
 When department = 'HR' And salary > 55000 Then 'Experienced'
 Else 'Staff'

End AS Position_Level

From employees;

Empname	Department	Salary	Position_Level
John	IT	85000	Senior IT
Sara	HR	60000	Experienced HR
Mark	IT	75000	Staff
Lucy	Finance	93000	Staff
Tom	HR	55000	Staff

Table 4: Students

Select student_name, Score,

Case When grade ≥ 90 Then 'A'

When grade Between 80 And 89 Then 'B'

When grade Between 70-79 Then 'C'

When grade Between 60-89 Then 'D'

When grade < 60 Then 'F'

End AS letter-grade

From students;

Student-name	score	letter-grade
Anna	92	A
Ben	76	C
Card	59	F
David	83	B
Ella	68	D

Table 5: Deliveries

Select delivery_id, delivery-time_minutes,

Case When delivery-time_min ≤ 30 Then 'Fast'

When delivery-time_min Between 31 And 60 Then 'On Time'

When delivery-time_min > 60 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

Table 6: Tickets

Select issue-type, Priority,

Case When priority = 3 Then 'high'

When priority = 2 Then 'medium'

When priority = 1 Then 'low'

End AS Priority_level

FROM Tickets;

issue-type	Priority	Priority-level
Login issue	1	low
server down	3	high
Slow system	2	medium
Email error	2	medium
Password reset	1	low