

CASE Statement Exercise 3

1.

Select Product-name, Price

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;

Product-name	Price	Price-Category
Laptop	1200	Expensive
Phone	800	Mid range
Keyboard	45	Budget
Monitor	300	Mid-range
Mouse	25	Budget

2. Select Customer-name, amount

CASE

When amount <500 Then 'Low Value'

When amount Between 500 AND 999.99 'Medium'

Else 'High Value'

END AS Order-Value-Category

From Orders

Customer Name	Amount	Order Value	Category
Alice	150.00	Low Value	
Bob	160.00	Medium Value	
Charlie	999.99	Medium Value	
Diana	45.50	Low Value	
Ethan	1200.00	High Value	

3. SELECT Employee, department, salary

Chart 3

WHEN department = 'IT', AND salary > 50000 experience
L BETWEEN department = 'IT', AND salary < 50000 experience

ELSE 'Other'

END AS Position level (Position level)

Employee	Department	Salary	Position level
Mark	IT	15000	Trainee
Jill	IT	25000	Trainee
Steve	IT	35000	Trainee
John	Other	45000	Trainee
Mary	Other	55000	Trainee
Tom	Other	60000	Trainee

4. Select student_name, score

Chart 4

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'
WHEN Score < 60 Then 'F'

Else 'F'

From students
End for grade

Student name	Score	Grade
Anna	92	A
Ben	76	C
Catrina	59	F
David	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 deliverer

delivery-id	delivery-time-Minutes	Performance
1	45	On time
2	80	Late
3	30	Fast
4	65	Late
5	100	Late

6. Table: ticket

→ ticket
Select Issue type - priority
→ Aje.
Lower Priority = Then 'High'
Higher Priority = Then 'Medium'
When Priority = 1 Then 'Low'
End of priorities (else)
From ticket

Issue type	Priorty	Priorty level
Log issue	1	Low
Send down	2	High
Flow system	2	Medium
Email error	2	Medium
password reset	1	Low

1. Select Student-id,
 $(\text{days_present} \times 100) / \text{total_days}$ As attendance per cent

Case

When Attendance-percentage $\geq 90\%$ Then 'Excellent'

When Attendance-percentage Between $75\% \text{ And } 90\%$

The 'good'

When Attendance-percentage $< 75\%$ Then 'needs Improvement'

End as attendance Status
From attendance

Student-id	Percentage	Attendance_Status
1	90%	Excellent
2	60%	Needs Improvement
3	96%	Excellent
4	50%	Needs Improvement
5	100%	Excellent

8. Select Product_id, Stock_qty

CASE

When Stock_qty = 0 then 'Out of Stock'

When Stock_qty Between 1 AND 5 Then 'Low Stock'

Else 'In Stock'

End AS Stock_Status

From : product_inventory ;

Product_id	Stock_qty	Stock_Status
1	5	Low Stock
2	0	Out of Stock
3	25	In Stock
4	10	In Stock
5	3	Low Stock

9. Select Subject, Enrolled_Students

CASE

When Enrolled_Students < 10 then 'Small'

When Enrolled_Students Between 10 AND 25 Then 'Medium'

Else 'Large'

End AS Class_size_Categories

From Classes ;

Subject	Enrolled_Students	Class_size_Categories
Maths	30	Large
English	25	Large
Science	15	Medium
Art	5	Small
History	20	Medium

10.

SELECT Payment-id, payment-method, amount
CASE

When Payment-method = 'Cash' AND amount \geq 200

Then 'Eligible for discount'

Else 'Not eligible'

From Payments

Payment-id	Amount	Payment-method	discount-eligibility
1	50	Card	Not eligible
2	200	Cash	Eligible for discount Not eligible
3	150	Card	Not eligible
4	75	Paypal	Not eligible
5	200	Cash	Eligible for discount