

Vindhya Makar EXC. 2 CASE Statement

① SELECT product_name,
price

CASE WHEN price > 1000 THEN 'Expensive'
 WHEN price BETWEEN 100 AND 1000 THEN 'Mid_Range'
 ELSE 'Budget';
 END AS Price_Catagory
 FROM products;

product Table			
Product_ID	Product_Name	Price	Price_Catagory
1	Laptop	2000.00	Expensive
2	Phone	800.00	Mid_Range
3	Keyboard	45.00	Budget
4	Monitor	300.00	Mid_Range
5	Mouse	25.00	Budget

② SELECT customer_name, Amount

CASE WHEN Order ≥ 1000 THEN 'High Value'
 WHEN Order BETWEEN 500 AND 999.99 THEN 'Medium Value'
 ELSE 'Low Value'

END AS Order_Value_Catagory
 FROM orders;

CustomerName	Amount	OrderValue_Catagory
Alice	150.00	Low_value
Bob	860.00	Medium_value
Charlie	999.99	Medium_value
Diana	45.00	Low_value
Ethan	1200.00	High_value

③ SELECT Empname,
 Department,
 Salary
 CASE WHEN Department AND Salary > 8000 THEN 'Senior IT'
 WHEN Department AND Salary > 55000 THEN 'Experienced HR'
 ELSE 'Staff'
 END AS Position level
 FROM Employees;

EmpName	Department	Salary	Position Level
John	IT	85000	Senior IT
Sarah	HR	60000	Experienced HR
Mark	IT	75000	Staff
Tom	HR	55000	Staff

④ SELECT StudentName, 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'

EMP AS Grade
 FROM Students;

Student Name	Scores	Grade
Anna	92	A
Ben	76	C
Caro	59	F
David	83	B
Ella	68	D

(5) SELECT Delivery-ID,
 Delivery-Time, Minutes
 CASE WHEN Delivery ≤ 30 THEN 'Fast'
 WHEN Delivery Between 31 AND 60 mins THEN 'On Time'
 WHEN Delivery > 60 mins THEN 'Late'
 END AS Performance
 FROM Deliveries

Deliveries		
Delivery-ID	Delivery Time minutes	Performance
1	45	On Time
2	80	Late
3	30	Fast
4	65	Late
5	100	Late

(6) SELECT Issue-Type
 CASE → priority
 WHEN priority IS 3 THEN 'High'
 WHEN priority IS 2 THEN 'Medium'
 WHEN priority IS 1 THEN 'Low'
 END AS priority_labels
 FROM Tickets

Issue-Type	priority	priority_label
Login issue	1	Low
Server down	3	High
Slow System	2	medium
Email Error	2	medium
Password reset	1	Low

① SELECT Student_ID,
Attendance_Percentage
CASE WHEN attendance \geq 90% THEN 'Excellent'
WHEN attendance BETWEEN 75% AND 89% THEN 'Good'
ELSE 'Need Improvement'
END AS Attendance_Status
FROM Attendance.

Student_ID	Attendance_Percentage	Attendance_Status
1		
2		
3		
4		
5		

② SELECT product_id,
Stock_Qty
CASE WHEN Stock_Qty < 0 THEN 'out of Stock'
WHEN Stock_Qty BETWEEN 1 AND 5 THEN 'Low Stock'
WHEN Stock_Qty \geq 5 THEN '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_Std ≥ 25 THEN 'Large'
WHEN Enrolled_Std BETWEEN 10 AND 24 THEN 'Medium'
ELSE 'Small'

END AS Class_Size_Catagory
FROM Classes

Subject	Enrolled_Student	Class_Size_Catagory
Math	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 ≥ 200 THEN 'Eligible for Discount'

END AS Discount_Eligibility
FROM payment

Payment_ID	Payment_Method	Amount	Discount_Eligibility
2	Cash	200	Eligible for Discount
3	Cash	300	Eligible for Discount