

Homework

③

Employees

emp_id	emp_name	department	salary
1	John	IT	85 000
2	Sara	HR	60 000
3	Mark	IT	75 000
4	Lucy	Finance	95 000
5	Tom	HR	55 000

SELECT emp_name
department
salary

~~CASE~~

THEN

~~WHEN department = 'IT' AND salary > 10000 THEN~~

~~CASE~~

~~WHEN department = 'IT' AND salary < 10000 THEN~~

~~CASE~~

~~WHEN 'IT' AND salary > 55000 THEN 'IT' percentage
WHEN 'IT' AND salary > 80000 THEN 'JENNER IT'
ELSE 'STAFF' ✓~~

~~END AS position NEVER ✓
FROM Employees ✓~~

~~WHEN department = 'IT' AND salary > 80000 THEN
'STEM-IT'~~

~~WHEN department = 'ME' AND salary > 55000 THEN
'IT PERIOD HR'~~

gagan

Emp-name	dep	salary	position_level
John	IT	85000	Senior IT ✓
Sara	HR	60000	Experienced HR ✓
Mart	IT	75000	Staff ✓
Louy	France	95000	Staff ✓
Tom	HR	55000	Staff ✓

(4) Students

student_id	student_name	score
1	ANNA	92
2	BEN	76
3	Cara	59
4	David	83
5	Ella	68

SELECT student_name,
score

CASE

WHEN score ≥ 90 THEN 'A'

WHEN score BETWEEN 80-89 THEN 'B'

WHEN score BETWEEN 70-79 THEN 'C'

WHEN score BETWEEN 60-69 THEN 'D'

ELSE 'F'

✓

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 deliveries

delivery_id	delivery_time_minutes	performance
1	45	ON TIME
2	80	LATE
3	30	FAST ✓
4	65	LATE
5	100	LATE

SELECT delivery_id,
delivery_time_minutes

CASE

WHEN delivery_time_minutes \leq 30 min THEN 'Fast'
WHEN delivery_time_minutes \in [31-60] min THEN 'On Time'
ELSE 'Late'

END AS performance

FROM Deliveries;

⑥ Tickets

ticket_id	issue_type	Priority	Priority_Level
1	Login issue	1	Low
2	Server down	3	High
3	Slow system	2	Medium
4	Email error	2	Medium
5	Password reset	1	Low

SELECT issue_type,
priority

CASE

WHEN priority = 1 THEN 'Low'
WHEN priority = 2 THEN 'Medium'
ELSE 'High'

END AS priority_level

FROM Tickets;

7) Attendance *

student_id	days present	total days	attendance status
1	45	50	Needs Improvement
2	30	50	" "
3	48	50	" "
4	25	50	" "
5	50	50	" "

```

SELECT student_id,
       attendance_percentage * 100 / total_days AS attendance_percentage
  FROM attendance
 WHERE attendance_percentage < 75 THEN 'Needs Improvement'
   WHEN attendance_percent between 75-89% THEN 'Good'
   WHEN attendance_percent > 90 THEN 'Excellent'
  END AS attendance_status
 FROM attendance;
  
```

8) 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

```

SELECT Product_id,
       Stock_qty
  FROM
  
```

```

  WHEN Stock_qty = 0 THEN 'Out of stock'
  WHEN Stock_qty between 10 and 25 THEN 'Low of stock'
  WHEN Stock_qty = 5 THEN 'In stock'
  END AS Stock_Status
 FROM Products_Inventory;
  
```

⑨ Classes

class_id	subject	enrolled_students	class_size_category
1	Math	80	Large
2	English	25	Large
3	Science	15	Medium ✓
4	Art	5	Small
5	History	20	Medium

SELECT subject,
enrolled_students

CASE

WHEN enrolled_students < 10 THEN 'Small'

WHEN enrolled_students between 10-24 THEN 'Medium'

WHEN enrolled_students ≥ 25 THEN 'Large'

END AS class_size_category

FROM classes ;

10 Payments

payment_id	amount	Payment-method	discount_eligibility
1	50	Card	Not eligible
2	200	Cash	Eligible ✓
3	150	Card	Not eligible
4	75	Paypal	Not eligible
5	300	Cash	Eligible

SELECT payment_id,
amount,
Payment-method

CASE

WHEN payment-method = 'Cash' and amount ≥ 200
THEN 'Eligible for discount'

ELSE 'Not Eligible'

END AS discount_eligibility

FROM payments ;