

Q1

SELECT employee_id,
name,
IFNULL(salary, 0) AS salary-with-default
FROM employees;

employee_id	name	salary-with-default
1	Alice	5000
2	Bob	0
3	Charlie	7000
4	Dana	0

Q2

SELECT employee_id,
name,
IFNULL(department, Not Assigned) AS department_name
FROM employees;

employee_id	name	department_name
1	Alice	HR
2	Bob	IT
3	Charlie	Not Assigned
4	Dana	finance

Q3

SELECT order-id,
customer-id
FROM Orders
WHERE customer-id IS NULL;

Order-id	customer-id
103	NULL

Q4

SELECT Order-id,
customer-id,
IFNULL(delivery-date, Pending) AS delivery-status
FROM Orders;

Order-id	customer_id	delivery_status
101	201	2024-12-01
102	202	Pending
103	NULL	2024-12-03

Q5

SELECT student-id,
name,
IFNULL(grade, 0) AS final-grade
FROM Students;

Student-id	name	final-grade
1	Ethan	85
2	Maya	0
3	Olivia	90

Q6

SELECT student_id,
name,
COUNT(grade) AS not_graded_count
FROM Students;

student_id	name	not_graded_count
2	Maya	NULL

Q7

SELECT name,
Price,

Q7

SELECT product_id,
name,
COALESCE(discount, Price) AS final_price
FROM products

product_id	name	final_price
501	Keyboard	25
502	Mouse	10
503	Monitor	100

Q8

SELECT customer_id,
name
COUNT(email) AS missing_email_count
FROM customers;

customer_id	name	missing_email_count
1	Linda	NULL
3	Nia	NULL

Q9

```

SELECT customer-id,
       name,
       IFNULL(email, NO Email) AS email-display
  FROM customers;
    
```

Customer-id	name	email-display
1	Linda	NO Email
3	Nia	NO Email

Q10

```

SELECT payment-id,
       IFNULL(method, 'Unknown') AS method-display,
       status
  FROM payments;
    
```

payment-id	Method-display	status
301	Credit	NULL
302	Paypal	Success
303	Unknown	Failed

Q11

```

SELECT item-id,
       item-name,
       IFNULL(quantity, 0) AS quantity-checked
  FROM inventory;
    
```

item-id	item-name	quantity-checked
1	Pen	0
2	Notebook	150
3	Eraser	0

Q12

SELECT emp-id

FROM employees_extra;
COALESCE(bonus, commission) AS first-available-reward;

emp-id	first-available-reward
1	300
2	100
3	NULL

Q13

SELECT class-id,

subject

COUNT(100M) AS no-room-count

FROM classes;

class-id	subject	no-room-count
11	Math	NULL
13	English	NULL

Q14

SELECT student-id,

date;

IFNULL(status, NOT Marked) AS attendance-status

FROM attendance;

student_id	date	attendance-status
1	2025-04-01	Not Marked
2	2025-04-01	Present
3	2025-04-01	Absent

Q15

```

SELECT account-id,
       IFNULL(account-type, 'Unknown') AS type-display,
       IFNULL(balance, 0) AS balance-checked
FROM bank-accounts;
    
```

account-id	type-display	balance-checked
A1	Savings	0
A2	Current	5000
A3	Unknown	2000

Q16

```

SELECT project-id,
       title,
       IFNULL(start-date, 'TBD') AS start-display
FROM projects;
    
```

project-id	title	start-display
1	Website Reramp	2025-01-10
2	Mobile App	TBD
3	Data Migration	TBD

Q17

```

SELECT review-id,
       product-id,
       IFNULL(comment, 'NO comment') AS comment-display,
       IFNULL(rating, 0) AS rating-display
FROM reviews;
    
```

review-id	product-id	comment-display	rating-display
1	501	Great Product	4
2	502	NO comment	0
3	503	Works fine	3

Q18

SELECT supplier-id,
name,
COALESCE(phone, alt-phone, 'NO Contact') AS contact-number
FROM suppliers;

Supplier-id	name	contact_number
1	Global Goods	123456789
2	Best Supplies	987654321
3	ValueSource	No Contact

Q19

SELECT user-id,
COALESCE(theme, "Light") AS theme-set
COALESCE(language, 'English') AS language-set
COALESCE(timezone, 'UTC') AS timezone-set
FROM user-settings;

user-id	theme_set	language_set	timezone_set
1	Light	English	UTC
2	Dark	English	UTC+1
3	Light	English	UTC

Q20

SELECT record-id,
Machine_id,
COALESCE(issue, Unknown Issue) AS issue-log,
COALESCE(technician, Not Assigned) AS technician-name
FROM maintenance;

record_id	Machine_id	Issue_log	technician_name
1	M101	Overheating	Not Assigned
2	M102	Unknown Issue	Not Assigned
3	M103	Jammed	Alex