

NULL Functions

Q1. SELECT employee-id,
name,
salary AS salary-with-default
IFNULL(salary, 0)
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,
department AS department-name
IFNULL(department, 'Not Assigned')
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 ISNULL;

Order_id	Customer_id
103	NULL

Q4. SELECT order_id,
customer_id,
delivery_date AS delivery_status
IFNULL(delivery_date, 'Pending')
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,
grade AS final-grade
IFNULL(grade, 0)
FROM Students;

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

Q6. SELECT COUNT(grade) AS not-graded-count,
 student_id
 FROM Students
 WHERE grade ISNULL;

not-graded_count
1

Q7. SELECT name,
 price,
 discount,
 price - discount AS final price after discount
 IFNULL(discount, 0)
 FROM Products;

name	Price	final price after discount
Keyboard	25	25
Mouse	15	10
Monitor	100	100

Q8. SELECT COUNT(email) AS missing-email-count
 customer_id
 FROM customers
 WHERE email ISNULL;

missing_email_count
2

Q9. SELECT customer-id,
 name,
 email AS email-display
 IFNULL(email, 'No Email')
 FROM Customers;

Customer-id	name	email - display
1	Linda	No Email
2	Joseph	joseph@mail.com
3	Nia	No Email

Q10. SELECT payment-id,
 method,
 status
 IFNULL(method, 'Unknown')
 FROM Payments;

Payment-id	method	status
301	Credit	NULL
302	PayPal	Success
303	Unknown	Failed

Q11. SELECT item-id,
 item-name,
 quantity AS quantity-checked
 IFNULL(quantity, 0)
 FROM Inventory;

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

Q12. SELECT emp-id,
 COALESCE(bonus, commission) AS
 first-available-reward
 FROM Employees_Extra;

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

Q13. SELECT COUNT(room) AS no-room-count
 FROM Classes
 WHERE room ISNULL;

no-room-count
2

Q14. SELECT Student-id,
 date,
 status
 IFNULL(status, 'Not Marked')
 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,
 COALESCE (account-type, 'Unknown') AS
 type-display,
 COALESCE (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,
 COALESCE (start-date, 'TBD') AS
 start-display
 FROM Projects;

Project_id	title	start-display
1	Website Revamp	2025-01-10
2	Mobile App	TBD
3	Data Migration	TBD

Q17. SELECT review-id,
 product-id
 COALESCE (comment, 'No Comment') AS
 comment-display,
 COALESCE (rating, 0) AS rating-display
 FROM Reviews;

review-id	Product-id	comment-display	rating-display
1	S01	Great product	4
2	S02	No comment	0
3	S03	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 Suppliers	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