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Q1 Table 1: Employees

SELECT employee-id
name

IF NULL (Salary, 0) AS Salary-with default
FROM employees;

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employee-id	name	Salary-with-default
1	Alice	5000
2	Bob	0
3	Charlie	7000
4	Dana	0

Q2) SELECT employee-id,
name

FROM Employees

~~IF NULL (department, 'not assigned') AS department-name;~~
IF NULL (department, 'not assigned') AS department-name;

Employee-id	Name	department-name
1	Alice	5000
2	Bob	not-assigned
3	Charlie	7000
4	Dana	not-assigned

Q3 Table 2

SELECT order-id,
customer-id

FROM orders

~~IF NULL (customer-id~~

WHERE (customer-id IS NULL);

order-id	customer-id
103	NULL

Q4 SELECT order-id,
Customer-id,
FROM orders
IF NULL (delivery-date, 'Pending')

order-id	Customer-id	delivery-status
101	201	2024-12-01
102	202	Pending
103	Pending NULL	2024-12-03

Q5 Table 3
SELECT student-id,
name,
FROM students
IF NULL (grade, ⁰~~replaced~~) AS final-grade,

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

Q6 Count ~~of~~ IS NULL (grade) AS not-graded-count
FROM students

Not-graded-count
1

Q7 Table 7

SELECT item-id,
item-name

FROM Inventory

IF NULL (quantity, 0) AS quantity checked

made mistake with question number,
is question 10 not 7

Item-Id	Item-name	quantity-ordered
1	Pen	0
2	Notebook	150
3	Eraser	0

Q7) SELECT product-id,
name

Table 4

FROM Products

COALESCE (Price, discount) AS final-price

Product-id	name	final price
501	Keyboard	25
502	Mouse	15
503	Monitor	100

Q8) Table 5

SELECT

COUNT IS NULL (email) AS missing-email-count

FROM Customers

missing-email-count
2

Q9) SELECT customer-id
name

FROM Customers

~~IF null (email)~~ IF null(email, 'No email')
AS email_display

customer-id	name	email_display
1	Linda	No email
2	Joseph	Joseph@mail.com
3	Nig	No email

Q11) SELECT Item-Id,
Item-name
FROM Inventory
IF NULL (Quantity, 0) AS Quantity-Checked;

Item-Id	Item name	Quantity
1	Pen	0
2	Notebook	150
3	Erasers	0

Q (12) Table 8

SELECT emp-Id,
~~First available~~
FROM Extra
COALESCE (bonus, commission) AS First available

emp-Id	First available
1	300
2	100
3	NULL

(13) Table 9

COUNT IS NULL (status) AS ^{NO-room-count} ~~attendance-status~~

attendance-status
1

14) SELECT Student-Id,
date

FROM Attendance

IF NULL (status, 'Not Marked') AS attendance-Status

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,
FROM Bank-accounts

IF NULL (Account-type, 'UNKNOWN') AS type-display;
IF NULL (balance, '0') AS balance-checked;

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

Q16 Table 12

SELECT Project-id,
title
FROM Projects

IF NULL (Start-date, 'TBD') AS start-display;

Project-id	title	Start-display
1	Website Rec	2025-01-10
2	Mobile App	TBD
3	Data Migrat	TBD

Q17 Table 13

SELECT review-id,
Product-id
FROM Reviews, ~~Comment~~

IF NULL (Comment, 'NO-comment') AS comment;
IF NULL (Rating, '0') AS rating-display;

id - p Supplier-id	name
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review-id	Product-id	Comment-display	rating-display
1	501	Great product	4
2	502	NO comment	0
3	503	works fine	3

Q18 Table 14

SELECT Supplier-id,
name

FROM Suppliers

COALESCE (Phone, alt-phone, 'NO contact')
AS contact-numbers

Supplier-id	name	Contact-numbers
1	Globel Goods	123456789
2	Best Supplier	987654321
3	ValueSource	NO contact

Q19 Table 15

SELECT user-id,

FROM user-settings

IF NULL (theme, 'Light') AS theme-set

IF NULL (Language, 'English') AS Language-set

IF NULL (Timezone, 'UTC') AS Timezone-set

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
 FROM maintenance
 IF NULL (issue, 'Unknown Issue') AS issue-log
 IF NULL (technician, 'Not Assigned') AS technician-name;

record-id	machine-id	issue-log	technician-name
1	M101	overheating	Not assigned
2	M102	Unknown Issue	Not assigned
3	M103	Jammed	Alp