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Q1) Table 1: Employees

SELECT employee-id
name

IF NULL (Salary, 0) AS salary_with_default
from employees;

④

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

ISNULL (Customer_id)

WHERE (Customer_id IS NULL);

order-id	Customer-id
103	NULL

2

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	Redundant NULL	2024-12-03

Q5 Table 3

SELECT student-id,
name,
from students
IF null (grade, replacement) AS final-grade,

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

36 Count & IS NULL (grade) AS not-graded-count
from students

Not-graded-count
1

Q10 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-electd
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
S01	Keyboard	25
S02	Mouse	15
S03	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, 'Noemail')
As email_display

Customer-id	Name	Email_Display
1	Linda	No email
2	Joseph	Joseph@mail.com
3	Nia	No email

Q(11) 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 attendance-status
~~AS attendance-status~~
~~NO-room-count~~

14) SELECT student-id,
date

from Attendance

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

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;

<u>account-id</u>	<u>account-type</u>	<u>display</u>	<u>balance</u>
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;

<u>Project-id</u>	<u>title</u>	<u>start-display</u>
1	website Rev	2025-01-10
2	mobile App	TBD
3	Date Migrat	TBD

Q17 Table 13

SELECT review-id,
product-id
From reviews, ~~comment~~

IF NULL (comment, 'NO COMMENT') AS comments
IF NULL (rating, 0) AS rating-display;

<u>Supplier-id</u>	<u>Name</u>		
<u>Review-id</u>	<u>Product-id</u>	<u>Comment-display</u>	<u>Rating-clspn</u>
1	SO 1	Great product	4
2	SO 2	NO comment	0
3	SO 3	works fine	3

Q18 Table 14

```

SELECT Supplier-id,
       Name
FROM Suppliers
COALESCE (Phone, alt-phone, 'No contact')
AS Contact-number;
  
```

<u>Supplier-id</u>	<u>Name</u>	<u>Contact-number</u>
1	Global Goods	123456789
2	Best Supply	987654321
3	ValueSaver	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;
  
```

<u>User-id</u>	<u>Theme-set</u>	<u>Language-set</u>	<u>Timezone-set</u>
1	Not Light	English	UTC
2	Dark	English	UTC +1
3	Light	English	UTC

Q10) 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	N/A