

Null functions exercise - employee

Q1

employee_id	name	department	salary
1	Alice	HR	5000
2	Bob	IT	NULL
3	Charlie	NULL	7000
4	Dana	Finance	NULL

Show all employees with their salary, if null display 0.

Q1 SELECT name,

salary

FROM employee

~~WHERE~~ IF Null (salary, 0)

Q1 SELECT name,

salary

IF Null (salary, 0)

FROM employee;

Name	Salary
Alice	5000
Bob	NULL
Charlie	7000
Dana	NULL

Q2. SELECT name, department
FROM department WITH

Q2. SELECT name,

department
IF Null (department, not assigned)

Name	department
Alice	HR
Bob	IT
Charlie	not assigned
Dana	Finance

Table 2.

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,

delivery_status.

IF Null (delivery_date, 'Pending')

from orders;

order_id	customer_id	delivery status
102	202	Pending

Q5 SELECT student_id,
name,
final grade
IF NULL (student_id, 0)
FROM student;

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

Q6 SELECT name.
Count # Null AS not_graded_count.
FROM students;
not_graded_count
1

Q7 SELECT product_id,
product_name,
final price AS
price * dis

Q7 SELECT name,
price,
IF Null (discount, 0) AS final_discount,
(price - IFNULL(discount, 0)) AS final_price
FROM products;

products	name	price	final_price
Keyboard	25	25	
mouse	15	10	
monitor	100	100	

Q8) SELECT name,
email

Count (email) AS missing_email_count
WHERE email IS NULL

FROM customers;

missing_email_count
2

Q9) SELECT name,

email

IF Null (email, 'no email')

FROM customers;

name	email
Linda	no email
Joseph	Joseph@email.com
Nia	no email

Q10) SELECT payment_id,

method,

status

IF null (method, 'unknown')

FROM Payments;

payment_id	method	status
301	Credit	Null
302	Pay Pal	success
303	Unknown	failed

Q11) SELECT item_id,

Quantity,
IF null (Quantity, 0)

FROM inventory;

Item Id	Quantity
1	0
2	150
3	0

Q12) SELECT emp_id,

Bonus,

Commission

IF NULL (bonus, Commission) AS first available reward

FROM employees_extra;

emp_id	Bonus	Commission
1	300	200
2	100	100
3	0	0

emp_id	first available reward
1	300
2	100
3	0

Q13) SELECT class_id,

Count(room) = null AS no_room_count

FROM classes

no_room_count
2

Q14) SELECT student-id,

date,
status

IF Null (status, "not marked")

FROM attendance;

student-id	date	status
1	2025-01-01	not marked
2	2025-01-01	Present
3	2025-01-01	Absent

Q15) SELECT account-id,

account-type,

balance.

IF Null (account-type, "Unknown", Balance, 0).

FROM bankaccounts;

account-id	account-type	balance
A1	savings	0
A2	current	500
A3	unknown	2000

Q16) SELECT project-id,

start-date.

IF Null (start-date, "TBD")

FROM projects;

project-id	start-date
1	2025-01-10
2	TBD
3	TBD

Q17) SELECT review_id,
 product_id,
 comment,
 rating
 IF Null (comment, "noncomment"), rating, 0)
 FROM Reviews

review_id	product_id	comment	rating
1	501	Great product	4
2	502	no comment	0
3	503	works fine	3

Q18) SELECT supplier_id
 name,
 phone AS contact_number
 alt-phone
 IF Null (phone, alt-phone, "no contact")
 FROM Suppliers;

Supplier-id	Name	Phone	Contact-number
1	Global goods	123456789	
2	Best supplies	987654321	
3	Value source	nocontact	

Q19) SELECT user_id,

theme,

language,

timezone.

IF Null (theme, "light"), language, "English", timezone, "UTC")
 FROM user_settings;

user-id	theme	language	time zone
1	light	English	UTC
2	Dark	English	UTC+1
3	light	English	UTC

eg 20) SELECT record-id,
 machine-id,
 issue,

IF Null (issue, "Unknown issue", technician, "not assigned")

record-id	machine-id	issue	technician
1	M101	overheating	not assigned
2	M102	unknown issue	not assigned
3	M103	Jammed	Alex