

Exercise 6: Null functions

Q1 Select employee_id, name, if NULL (salary, 0) as salary with default
From employees

Employee id	name	Salary
1	Alice	5000
2	Bob	0
3	Charlie	7000
4	Dana	0

Q2 Select employee_id, name, if NULL (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, delivery date
Where delivery date is null as delivery
status

Q4. Select order_id, customer_id, delivery date
 from orders
 where delivery_date is null, if null
 (delivery date, pending) as delivery status

Order_id customer_id delivery status

Q5. Select student_id, name, if null (grade,
 0) as final_grade
 from Students

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

6. Select count (*) as not_graded count
 from Students
 where grade is null

Not_graded_count
1

7. ~~Select name, price~~ Select product_id, name
 price, if null (discount, 0) as final price
 from products

Product id ^{id}	name	final price
501	keyboard	25
502	mouse	10
503	Monitor	100

q7 Select customer id, name, if ^{null} (email display 1 no email) as email display

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

q8 Select count (*) as ~~missing email~~ ^{missing email} count
from ~~students~~ customers
where ~~grade is~~ email is null

missing email count
2

q10. Select payment id, ^{id} status if null (method, unknown) as method display
From payments

Payment id	Method	Status
301	Credit	Null
302	PayPal	Success
303	Unknown	failed

q11 Select item_id, item_name if null (quantity, 0) as quantity checked
From inventory;

item id	item_name	Quantity checked
1	Pen	0
2	Notebook	150
3	Eraser	0

Q14. Select student_id, date, if null (status, not marked) as attendance status
from attendance

Student id	date	Status
1	2025-04-01	Not marked
2	2025-04-01	Present
3	2025-04-01	Absent

Q15. Select account id, if null (account type, unknown) as type display, if null (balance, 0) as balance checked
from bank accounts

Account id	Type display	Balance
A1	Savings	0
A2	current	5000
A3	unknown	2000

Q16. Select project id, ~~start~~ if null (start date, TBD) as start display, title

Project id	title	Start date
1	Website Revamp	2025-01-10
2	Mobile App	TBD
3	Data migration	TBD

Q17. Select ~~review~~ review id, product id, if null (comment, No comment) as comment display, if null (rating, 0) as rating display

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, coalesce (phone, alt - phone, ~~as~~ No contact) as contact number

Supplier id	name	contact number
1	Global Goods	123456789
2	Best supplies	98765432
3	Value Source	No contact

Q19 Select user id, if null (theme, light) as theme set, if null (language, English) as language set, if null (timezone, UTC) as time 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, if null (issue unknown issue) as issue log, if null (technic

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	Alex

Q4 Select order_id, customer_id, if null (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