

Like
Case Sensitive

ILIKE
Not case-sensitive

Task to complete

- ① Null Functions Exercise } - due Monday
- ② Date functions Exercise }
- ③ Revise the work covered this week.

Email - Handwritten

09/10/2025

Exercise 2.1

Q1 SELECT Name, employeeID, Name
IFNULL(Salary, 0) AS Salary

Employees	
ID	Name
1	Alice
2	Bob
3	Charlie
4	Dana

Q2 SELECT Name, EmployeeID, Name
IFNULL(Department, 'Not Assigned') AS Department

ID	Name	Department
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
 IFNULL(Delivery-Date, 'Pending') AS delivery-Date

Order-ID	Customer-ID	Delivery-Date
101	201	2024-12-01
102	202	Pending
103	Null	2024-12-03

Q5 SELECT Student-ID, Name
 IFNULL(Final-grade, 0) AS Final-grade

Student-ID	Name	Final-grade
1	Ethan	85
2	Maya	0
3	Olivia	90

Q6 SELECT COUNT(Grade IS Null) AS Not-graded-Count

Not-graded-Count
1

Q7 SELECT Product-ID, Name
 Final Price - discount AS Final-Price

FROM Products

Product-ID	Name	Final Price
501	Keyboard	25
502	Mouse	10
503	Monitor	100

Q8 `SELECT Count(CASE WHEN Email IS NULL) AS missing_email_count
FROM Customers`

missing_email_count	2
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Q9 `SELECT customer_ID, Name, email_display
FROM Customers`

Customer-ID	Name	email-display
1	Linda	No-Email
2	Joseph	No-Email
3	Nia	No-Email

Q10 `SELECT Payment-ID, status,
FROM Payments`

Payment-ID	Method-display	Status
301	Credit	Null
302	PayPal	Success
303	Unknown	Failed

Q11 `SELECT Item-ID, Item-name
FROM Payments`

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-rewa
FROM Employee-Extra`

emp_id	first_available_reward
1	300
2	100
3	Null

Q.13 SELECT count(room) AS no_room_count
FROM Classes

No_room_Count
2

Q.14 SELECT Student-ID, Date,
IFNULL(Status, 'Not Marked') AS attendance_Status

FROM Attendance

Student-ID	Date	Attendance_Status
1	2025-04-01	Not marked
2	2025-04-01	Present
3	2025-04-01	Absent

Q.15 SELECT account-ID,
IFNULL(account-type, 'Unknown') AS type-display
IFNULL(balance, 0) AS balance-checked

FROM Bank-Accounts

Account

account-ID	type-display	balance-checked
A1	Saving	0
A2	Current	5000
A3	Unknown	2000

Q16 SELECT project-ID, title
 IFNULL(start-date, 'TBD') AS start-display
 FROM Projects

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

Q17 SELECT review-ID, Product-ID
 IFNULL(comment, 'No comment') AS comment-display
 IFNULL(rating, 0) AS rating-display

FROM Reviews;

Review-ID	Product-ID	Comment-display	Rating-display
1	501	Great Product	4
2	502	No Comment	0
3	503	Works Fine	3

Q18 SELECT Supplier-ID, Name,
 Coalesce(Phone, alt-phone, 'No contact') AS
Contact_no Contact-number

FROM Suppliers;

Supplier-ID	Name	Contact-Number
1	Global Goods	123456789
2	Best Supplies	987654321
3	ValueSources	No Contact

Q.19 SELECT User-ID,
 IFNULL(theme, 'Light') AS theme-set,
 IFNULL(language, 'English') AS language-set,
 IFNULL(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

Q.20 SELECT Record-ID, machine-ID,
 IFNULL(Issue, 'Unknown Issue') AS Issue-Log
 IFNULL(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

Date Functions

Q1 SELECT emp-ID, name, hiredate
 DateAdd (Month, 6, hire-date) AS hire-plus-6-months
 FROM Employees

emp-ID	Name	hire-date	hire-plus-6-months
1	Alice	2020-01-15	2020-07-15
2	Bob	2021-06-16	2021-12-16
3	Charlie	2023-03-22	2023-09-22

Q2 SELECT Student-ID, name,
 DateDiff (day, 'dob', '2025-10-08') AS age-in-days
 FROM Students

Student-ID	Name	age-in-days
101	Maya	7364
102	Ethan	7614
103	Sienna	7147