

Exercise: Null Functions.

13 October 2025

Question 1.

```
SELECT employee_id,  
       name,  
       IFNULL(salary,0) AS salary_with_default  
FROM Employee;
```

employee_id	name	salary_with_default
1	Alice	5000
2	Bob	0
3	Charlie	7000
4	Dana	0

Question 2.

SELECT employee_id,
 name,
 IFNULL(department, "Not Assigned")
 FROM Employees;

Employee_id	name	department
1	Alice	HR
2	Bob	IT
3	Charlie	Not Assigned
4	Diana	Finance

Question 3.

SELECT order_id,
 customer_id
 FROM orders
 WHERE customer_id ISNULL;

order_id	customer_id
103	NULL

Question 4.

SELECT order_id,
 customer_id
 IFNULL(delivery_date, "Pending") AS delivery_status
 FROM ~~FROM~~ orders;

Order_id	Customer_id	Delivery_Status
101	201	2024-12-01
102	202	Pending
103	NULL	2024-12-03

Question 5

```
SELECT Student_id,
       name,
       IFNULL(grade, 0) AS final_grade
FROM Students;
```

Student_id	name	Final_grade
1	Ethan	85
2	Maya	0
3	Diana	90

Question 6

```
SELECT COUNT() AS not_graded_count
FROM Students
WHERE grade IS NULL;
```

not_graded_count
1

* Question 7

```
SELECT name,
       Price,
       IFNULL(discount, 0) AS Final_price
FROM Products;
```

Name	Price	Final Price
Keyboard	25	0
Mouse	15	5
Monitor	100	0

Question 8

```
SELECT count() AS missing_email_count  
FROM customers  
WHERE email IS NULL;
```

missing_email_count

Question 9

```
SELECT customer_id,  
       name,  
       IFNULL(email, 'No Email') AS email_dirty  
FROM customers
```

Customer-id	name	email_drupal
1	Linda	No Email
2	Joseph	Joseph@mail.com
3	Nia	No Email

Question 10:

```
SELECT payment_id,  
       method,  
       IFNULL(method, "Unknown") AS method_  
           * display-  
           * status
```

FRCM Payments

payment_id	method_display_Status
301	credit
302	PayPal
303	Unknown

Question 11

SELECT item_id,
item_name,
IFNULL(quantity, 0) AS quantity_checked
FROM inventory;

Item_id	Item_name	quantity_checked
1	Pen	0
2	Notebook	150
3	Eraser	0

Question 12

SELECT empid
COALESCE (bonus, commission) AS first_available_reward
FROM Employee_Extra;

emp_id	first_available_reward
1	800
2	100
3	NULL

Question 13

```
SELECT COUNT() AS no-null-count
FROM classes
WHERE room IS NULL;
```

no-null-count
2

Question 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

Question 15

```
SELECT account_id,
       IFNULL(account_type, "Unknown") AS type_of_play,
       IFNULL(balance, 0) AS balance_checked
  FROM Bank_Accounts;
```

account_id	type_display	balance_checked
A1	savings	0
A2	current	500
A3	Unknown	2000

Question 16

SELECT project_id,
 title,
 IFNULL (start_date, 'TBD') AS start-
 display
 FROM Projects;

Project-id	title	start-display
1	Website Revamp	2025-01-10
2	Mobile App	TBD
3	Data Migration	TBD

Question 17

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	P01	Great product	4
2	P02	No comment	0
3	P03	Works fine	3

Question 18

```

SELECT supplier_id,
       COALESCE(phone, alt_phone, 'No Contact')
             AS contact_number
  FROM suppliers

```

Supplier	name	contact_number
1	Global Goods	123456789
2	Best Supplies	987654321
3	ValuedSource	No Contact

Question 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	bark	English	UTC +1
3	Light	English	UTC

Question 20

```

SELECT record_id,
       machine_ids,
       IFNULL(issue, 'Unknown issue') AS issue_log

```

IFNUU technician, 'Not assigned' has
technician name
Mailstone ;
From

Record-id.	Machine-id	Issue-log	Technician
1	M101	Overtesting	Not assigned
2	M102	Unknown issue	Not assigned
3	M103	Jammed	Alex