Exercise 6 (NULL Functions)

Q1 (Table 1: Employees)

SELECT employee-Id, name,
IFNULL (Salary, o) AS Salary_with_default
FROM Employees;

employeed	rame	Salary-with-degail
1	Alice	Soco
2	Bob	0
3	charlic	7000
4	Duna	0

Q2 (Table 1. Employees)

SELE(I employee_Id, name,
IFNULL (department, 'Not Assigned') As department_name
FROM Employees;

yloge-id	Name	department_name
1	Alice	HR
	80b	17
}	charlie	Not Assigned
4	Dana	Finance

Q3 (Table 2: Orders)

SELECT order_id, customer_id.

From orders

WHERE customer_id IS NULL 100;

output.	
loider-id	customer-id
103	NULL

Que (Table ? orders)

SELECT order-id, customer_id,

of Room control

FRULL (delivery-date, Pending) As delivery- Status

output.

Vider_id customer_id delivery-status

101 207 2024-12-01

102 202 Pending

2024-12-03

QS (terble 3; Students)

103

SELECT Student_Id, name IFNULL (grade, o)AS Final_grade FROM Students;

NULL

Crepus.	name	Sind-grade
MIN IN THE	Sthan	25
2	Maya	O
3	Maya Oli via	90

Q6 (table 3: Studen As)

SELECT (ound (x) As not-graded_cound From StudenAs WHERE grade IS NULL;

autput: I since there is only one (D) student with

Q7 (table 4: Products)

SELECT product_id, name,

price - IF NULL (discount, 0) AS Final-price

From froducts;

subject.	pame	Sind - price
501	typeased	25
502	Mouse	10
503	Montol	100

Q8 (table 5: (whomers)

SELECT (ound (*) As missing-email_cound

FROM Customers

WHERE email 15 WULL;

Output: 2 since Linda & Nia have no infermention

Q9 (tables: (ustomers)

SELECT customer_id, name,
IFNULL (cmail, No Email) As email_display
FROM (ustomers;

ustomer id	rame	cmeil - display
1	Linda	No Emal
2	Joseph	Josesph @ mail com
3	Nia	No Email.

Q10 (table b: Payments)

SELECT payment_id, IFNULL (methal, 'unknown') As method-display,

Status

FROM Payments;

autput.		
fragment-id,	mohad-diplay	Status
301	credit	NULL
302	PayPal	Success
303	unknown	Failed

QII (Table 7: Inventory)

SELECT Item-id, item-rame,
IFNULL (quantity, 0) As quantity- Checked
FROM Inventory,

output.	item name	quantity-checled
1	Pen	0
2	Notebook	150
3	Eraser	0

Q12 (terble 8: Employee_Exta)

FROM Employee _ Extra ;

Emp-1d	Sist-available_reneral
i	300
2	100
3	NULL

Q 13 (table 7: (lass)

SELECT (ours (*) As no_room_couns FROM cladfed WHIERE room is NULL;

output. 2 since math & English have nell of no data on 100mg

Q14 (table 10: Attendance)

SELECT Student Id, date, IFNULL (Status, 'Not Marked') AN attendance Status FROM Attendence;

Student id	date	attendance status
\	2025 - Uh = 01	Not marked
2	2025-04-01	Present
3	2025-44-01	Absent

Q15 (table 11 : Bank - Accounts)

JELECT account - id,

IF NULL (account type, 'unknown') As type-display,

IF NULL (balance, o) As bakanced checked

FROM Bank Accounts;

output:

account of	type-desplay	, bulanced_chectal
AI	Saving	0
A2	LurrenA	5000
(A3	Unknown	2.006

Q16 (table 12. Pigats)

SELECT project_id, title,
15NULL (part_date, TBD) As Dart_display
FROM Projects;

project-id	title .	Start desplay
1.	Webs it Revamp	201-01-10
2	Mobile App	TBD
. 3	Data Migration	760

QIT (table 13: Reviews

SELECT review-id, product-id,

IFNULL (comment, 'No comment!) As comment-display,

IFNULL Crating, as As rating-display

FROM Reviews;

cutput			
reviewanial	gratust id	Comment display	rating-diglan
T	501	Siciet groched	4
2	SOR	No Comment	0
3	So3	Works fine	3 1

Q18 (table (4: Suppliers)

SELECT Supplier-id, name, COALESCE (phone, cett-phone, No confuct) As confuct number From suppliers,

outputs		
Suplice id	name	contact number
1	Slobal Sevel	125456789
2	Best supplies	987634321
3	Valuesoure	No Contact

Q19 (table 15: Uder settings)

JELECT USCI-Id,

IFPNULL (theme, 'Light') As theme-set,

IFPNULL (language, 'English') As language-set,

IFNULL (timezone, 'UTC') As timezone-set

FROM USCI-Settings;

Musu-id	theme-set	larghage-set	timezone-se
4 1	Ligh4	English	UTC
0 2 1	Davl	English	utc +1
] 3	Light	English	UTI

Q20 (table 16: Maintenance)

SELECT record_id, machine_id,

IFNULL (ISSUE, 'Unknown Issue') AS issue_log,

IFNULL (technician, Not Assigned') As technician_name

FRom Maintenance;

output:

record-id Machine-id 15due-lag technician-name

1 M101 CV9 heating Not Assayed

2 M102 Unknown Not Assayed

3 M103 Jommed Alex