

Table 1: employees

Q1 :

```
SELECT employee_id,  
        name  
COALESCE (salary, 0) AS salary-with-default
```

employee_id	name	Salary-with-default
1	Alice	5000
2	Bob	0
3	Charlie	7000
4	Dana	0

Q2 :

```
SELECT employee_id,  
        name  
COALESCE (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

COALESCE (delivery-date, 'Pending') AS delivery-status

order-id	Customer-id	delivery status
101	201	2024-12-01
102	202	Pending
103	NULL	2024-12-03

Q5 :

SELECT student-id ,
name

COALESCE (grade, 0) AS final-grade
FROM students ;

Student-id	name	final-grade
1	Ethan	85
2	Maya	0
3	Olivia	90

Q6 :

SELECT

COUNT (*) AS not-graded-

FROM students

WHERE grade IS NULL

not-graded
1

Q7:

```
SELECT product-id,  
       name  
price - COALESCE (discount, 0) AS final-price  
FROM products;
```

product-id	name	final-price
501	keyboard	25
502	Mouse	10
503	Monitor	100

Q8

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

missing_email_count
2

Q9

```
SELECT customer-id,  
       name  
COALESCE (email, 'No email') AS email-display  
FROM customers;
```

Customer-id	name	email-display
1	Linda	No email
2	Joseph	Joseph@mail.com
3	Mia	No email

Q10:

```
SELECT payment-id  
IS NULL Cmethod, 'Unknown') AS method-display  
IS NULL Cstatus, 'Unknown') AS status-display  
FROM payments;
```

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

Q11

```
SELECT item-id,  
       item-name  
COALESCE (quantity, 0) AS quantity-checked  
FROM inventory;
```

item-id	item-name	quantity-checked
1	Pen	0
2	Notebook	150
3	Erase1	0

OX

Q12

```
SELECT emp-id,  
COALESCE (bonus, commission, 0) AS first-available-reward  
FROM employees-extra
```


emp_id	first-available-reward
1	300
2	100
3	0

Q13

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

no-room-count
2

Q14

```
SELECT student-id,
       date
COALESCE (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

Q15

```
SELECT account-id,
COALESCE (account-type, 'Unknown') AS type-display
COALESCE (balance, 0) AS balance-checked
FROM bank-Accounts;
```


account-id	type-display	balance-checked
A 1	Savings	0
A 2	Current	5000
A 3	Unknown	2000

Q16

SELECT project-id,
title

COALESCE CTO-CHAR(Start-date, 'YYYY-MM-DD', '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

Q17

SELECT review-id,
Product-id

COALESCE (comment, 'No Comment') AS comment-display,
COALESCE (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	Worst file	3

Q18 SELECT supplier-id,
Name

COALESCE (phone, altphone, 'No Contact') AS contact-number
FROM Suppliers;

Supplier-id	Name	Contact-number
1	Global goods	123456789
2	Best supplies	987654321
3	Value Source	No contact

Q19

```
SELECT user-id,
COALESCE (theme, 'light') AS theme-set,
COALESCE (language, 'English') AS language-set,
COALESCE (time zone, 'UTC') AS time zone-set
FROM user-settings;
```

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

Q20

```
SELECT record-id,
machine-id
COALESCE (issue, 'Unknown Issue') AS issue-log
COALESCE (technician, 'Not Assigned') AS technician-name
FROM Maintenance;
```

record-id	machine-id	issue-log	technician-name
1	M101	Overheating	Not Assigned
2	M101	Unknown issue	Not Assigned
3	M103	Jammed	Alex