

## 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
S01	Keyboard	25
S02	Mouse	10
S03	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

Q<sub>10</sub>:

```
SELECT payment_id  
IS NULL (method, 'Unknown') AS method_display  
IS NULL (status, 'Unknown') AS status_display  
FROM payments;
```

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

Q<sub>11</sub>:

```
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	Erasel	0

OK

Q<sub>12</sub>:

```
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	1000

Q<sub>16</sub>  
SELECT project - id,  
          title  
COALESCE (TO - CHAR (start - date, 'YY' YY - 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

Q<sub>17</sub>  
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	601	Great product	4
2	602	No comment	0
3	503	Works fine	3

Q<sub>18</sub> SELECT supplier - id,

name

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

Supplier_id	Name	Contact_number
1	Global goods	123456789
2	Best suppliers	987654321
3	Value Scores	No contact

Q19

```
SELECT user_id,
COALESCE(theme, 'light') AS theme_set,
COALESCE(language, 'English') AS language_set,
COALESCE(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

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