

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

Q.2 SELECT Student-ID, name,
 DateDiff(day, 'dob', '2025-10-08') AS age_in-days

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

Q3 SELECT event-ID, event-name
 DateDiff (days, '2025-10-08') AS event-date

Events		event-days-remaining
event-ID	event-name	
1	Seminar	2024-06-15 480
2	Workshop	2024-07-03 37
3	Hackathon	2024-07-10 26

Q4

Q4

SELECT invoice-ID, issue-date, due-date,
 DateDiff (days, due-date), issue-date) AS days-between

Invoices			
invoice-ID	issue-date	due-date	days-between
501	2025-03-16	2025-03-25	15
502	2025-04-01	2025-04-15	14
503	2025-04-10	2025-04-20	10

Q5

Courses

SELECT course-ID, Name,
 TO-Char (start-date, 'Month YYYY') AS formatted-date

Courses		
course-ID	Name	formatted-date

201 SQL Basics May 2025

202 Python June 2025

Q6 SELECT Member-ID
 DatefromParts(Start-Year, Start-Month, Start-Day)
 AS Full-Start-Date
 FROM Memberships

Membership-ID	Full-Start-Date
1	2023-05-10
2	2022-11-25

Q7 SELECT Sub-ID, Plan
 DateADD(Year, 1, renewal-date) AS extended
 renewal-date

FROM Subscription

Sub-ID	Plan	extended-renewal-date
11	Basic	2026-01-01
12	Premium	2026-03-15

Q8 SELECT order-ID, order-date,
 CurrentDate() AS today-date
 DateDiff('day', 'today-date', 'order-date') AS days_since_order

FROM Orders

order-ID	order-date	today-date	days since order
1001	2025-04-15	2025-10-08	178
1002	2025-04-10	2025-10-08	171

Q.9 SELECT training-ID, topic
 Datepart(Year, training-date) AS training-year

FROM Trainings

training-ID	topic	training-year
1	Safety	2025
2	Compliance	2025

Q10 SELECT Post-ID, title
Date
Extract (hour, Published-on) AS hour-published
Extract (Minute, Published-on) AS minute-published

Blog-posts			
Post-ID	Title	Hour-Published	Minute-Published
1	Sof tips	10	15
2	Data Cleaning	16	45

Q11 SELECT Driver-ID, License-expiry
DATEDIFF (days, '2025-10-08', License-expiry) AS days-left

Drivers		
Drivers-ID	License-expiry	days-left
301	2025-08-10	-60
302	2023-12-31	-648

Q12 SELECT Message-ID, Sent-timestamp
CURRENT_TIMESTAMP() AS Current-timestamp
DATEDIFF (Second, Sent-timestamp, Current-timestamp)
AS Second-Since-Sent

Messages			
Message-ID	Sent-timestamp	Current-timestamp	SecondsSinceSent
1	2025-04-14 09:32:45	2025-10-08 00:00:00	15,612,435
2	2025-04-18 23:59:59	2025-10-08 00:00:00	15,641,401

Q13 SELECT return-ID, return-date
DATEDIFF (day, 15, return-date) AS Restock-date

Returns		

return-ID	return-date	restock-date
901	2025-04-05	2025-04-20
902	2025-04-01	2025-04-16

Q.14 SELECT assign-ID,
TO_DATE(assigned-on, 'YYYY-MM-DD') AS
assigned-on-date

FROM Assignments

ASSign-ID	ASSigned_on_date
1	2025-03-01
2	2025-03-05

Q.15 SELECT meeting-ID

TO_CHAR(Scheduled-time, 'Month YYYY Month day,
YYYY at time PM') AS Formatted-
meeting-time

FROM Meetings

Meeting-ID	Formatted-meeting
1	April 19, 2025 at 2:00 PM
2	April 19, 2025 at 9:30 AM