

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, hire-date
 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	2021-06-10	2021-10 2021-12-10
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
 FROM Students

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', event-date) AS

FROM Events

event-ID	event-name	days-remaining
1	Seminar	2024-06-15 480
2	WorkShop	37
3	Hackathon	261

Q3

Q4

Q4 SELECT Invoice-ID, issue-date, due-date,
DateDiff (days, 'due-date', 'issue-date') AS day-
between

FROM Invoices

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

Q.5 ~~Course-ID~~

SELECT Course-ID, Name,
TO-Char (Start-date, 'Month YYYY') AS
~~Formatted-date~~ Formatted-date

FROM 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,
 Current Date () 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	176
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

FROM Blog-posts

Post-ID	title	hour-published	Minute-published
1	SQL types	10	15
2	Data cleaning	16	45

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

FROM Drivers

Drivers-ID	License-expiry	days-left
301	2025-08-10	-60
302	2023-12-31	-848

Q12 SELECT Message-ID, Sent-timestamp
Current-timestamp() AS Current-timestamp
DateDiff (Second, ~~Sea~~ Current-timestamp, Sent-timestamp)
AS Second-Since-Sent

FROM Messages

Message-ID	Sent-timestamp	Current-timestamp	Seconds-since-sent
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
FROM 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