

DATE Functions

Q.1. `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	2021-06-10	2021-12-10
3	Charlie	2023-03-22	2023-09-22

Q.2. `SELECT Student-id,`
`name,`
`DATEDIFF(DAY, dob, CURRENT_DATE())`
`AS age-in-days`
`FROM Students;`

Student-id	name	age-in-days
101	Maya	7305
102	Ethan	7665
103	Sienna	6935

Q3. SELECT event_id, event_name,
 DATEDIFF(DAY, CURRENT_DATE, event_date)
 AS days_remaining
 FROM Events;

event_id	event_name	days_remaining
1	Seminar	0
2	Workshop	0
3	Hackathon	0

Q4. SELECT invoice_id,
 issue_date,
 due_date,
 DATEDIFF(DAY, issue_date, due_date)
 AS days_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

Q5. SELECT course-id,
 name,
 TO-CHAR(start-date, 'Month YYYY') AS
 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;

member-id	full-start-date
1	2023-05-10
2	2022-11-25

Q7. SELECT sub-id,
 plan,
 renewal-date,
 DATEADD(YEAR, 1, renewal-date) AS extended-renewal-date
 FROM Subscriptions;

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, order-date, CURRENT_DATE) AS
 days-since-order
 FROM Orders;

order-id	order-date	today-date	days-since-order
1001	2025-04-15	2025-10-13	181
1002	2025-04-10	2025-10-13	186

Q9. SELECT training-id,
 topic,
 DATE-PART('year', training-date) AS
 training-year
 FROM Trainings;

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

Q10. SELECT post-id,
 title,
 EXTRACT(HOUR FROM published-on) AS
 hour-published,
 EXTRACT(MINUTE FROM published-on)
 AS minute-published
 FROM Blog-posts;

post_id	title	hour-published	minute-published
1	SQL tips	10	15
2	Data Cleaning	16	45

Q11. SELECT driver_id, license-expiry,
 DATEDIFF(DAY, CURRENT_DATE, license-expiry) AS days-left
 FROM Drivers;

driver_id	license-expiry	days-left
301	2025-08-10	-64
302	2023-12-31	665 - 655

Q12. SELECT message_id, sent-timestamp,
 CURRENT_TIMESTAMP AS current-timestamp,
 EXTRACT(EPOCH FROM (CURRENT-TIMESTAMP -
 sent-timestamp)) AS seconds-since-sent
 FROM messages;

message_id	sent-timestamp	current-timestamp	seconds-since-sent
1	2025-04-19 09:32:45	2025-10-13 08:00:00	157365135
2	2025-04-18 23:59:59	2025-10-13 08:00:00	157357201

Q13. SELECT return-id,
 return-date,
~~restock-date~~
 DATEADD(DAY, 15, return-date) AS
 restock-date
 FROM Returns;

return-id	return-date	restock-date
901	2025-04-05	2025-04-15
902	2025-04-01	2025-04-16

Q14. - SELECT assign-id,
 TO_DATE(assign-on, 'YYYY-MM-DD')
 AS assigned-on-date
 FROM Assignments;

assign-id	assigned-on-date
1	2025-03-01
2	2025-03-05

Q15. SELECT meeting-id,
TO-CHAR(scheduled-time, 'Month DD, YYYY "at"
HH:MI PM') AS
formatted-meeting-time
FROM Meetings;

meeting-id	scheduled-time
1	April 19, 2025 at 2:00 PM'
2	April 19, 2025 at 09:30 AM'