

DATE Function Questions

① 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	2021-12-10
3	Charlie	2023-03-22	2023-09-22

② SELECT student_id, name,
 DATEDIFF(DAY, dob, CURRENT_DATE) AS age_in_days
 FROM students;

student_id	Name	dob	Age_in_days
101	Maya	2005-08-10	7377 days
102	Ethan	2004-12-01	7634 days
103	Sienna	2006-03-15	7155 days

③ SELECT event_id, event_name
 DATEDIFF(DAY, current_DATE, event_date) AS days_remaining
 FROM Events

event_id	event_name	event_date	days_remaining
1	seminar	2024-06-15	-486
2	Workshop	2025-09-01	-42
3	Hackathon	2025-01-20	-266

④ SELECT invoice_id, issue_date, due_date
 DATEDIFF(DAY, issue_date, due_date) AS days_Between
 FROM Invoice;

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

⑤ SELECT course_id, name

TO-CHAR(start_date, 'Month YYYY') AS Formatted_date
FROM course;

course_id	Name	Formatted_date
201	SQL Basics	May 2025
202	Python	June 2025

⑥ SELECT member_id, start_year, start_month, start_day

DATE FROM PARTS(start_year, start_month, start_day) AS Full_start_date
FROM membership

member_id	Full - start - date
1	2023 + 05 + 10
2	2022 + 11 + 25

⑦ SELECT sub_id, plan

DATEADD(YEAR, 1, renewal_date) AS extended_renewal_date

FROM Subscriptions

sub_id	Plan	Renewal_date	extended-renewal-date
11	Basic	2025-01-01	2026-01-01
12	Premium	2025-03-15	2026-03-15

⑧ 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	180
1002	2025-04-10	2025-10-13	186

⑨ SELECT training_id, topic, training_date
 DATE_PART('Year', training_date) AS training_year
 FROM Trainings;

training_id	topic	training_date	training_year
1	safety	2025-01-10	2025
2	compliance	2025-02-20	2025

⑩ SELECT post_id, title,
 DATE_PART('hour', Published_on) AS hour_published,
 DATE_PART('minute', Published_on) AS minute_published

FROM Blog_Post

post_id	title	hour_published	minute_published
1	SQL Tips	10	15
2	Data cleaning	16	45

⑪ 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	-652

⑫ SELECT message_id, sent_timestamp,
 CURRENT_TIMESTAMP AS current_timestamp,
 DATEDIFF(second, sent_timestamp, current_timestamp) AS second_since
 FROM messages

message_id	sent_timestamp
1	2025-04-19 09:32:45
2	2025-04-18 23:59:57

⑫ SELECT return_id, return_date
DATEADD(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

⑬ SELECT assign_id,
TO_DATE(assign_on, 'YYYY-MM-DD')
FROM Assignments;

assign_id	assign_on
1	2025-03-01
2	2025-03-05

⑭ SELECT meeting_id
TO_CHAR(scheduled_time, 'MM DD YYYY at HH:MIN:PM'
AS Formatted_meeting_time
FROM meetings;

meeting_id	Formatted_meeting_time
1	April 19 2025 at 2:00 PM
2	April 19 2025 at 9:30 AM