

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, ~~age~~
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	Suena	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	day_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-CHARC (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 PARTC (start-year, start-month, start-day) AS Full-start-day
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	2025-10-18	180
1002	2025-04-10	2025-10-18	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-sent
FROM Messages

message-id	sent-timestamp
1	2025-04-19 09:32:45
2	2025-04-18 23:59:57

⑬ SELECT return-id, return-date
 DATEADD(day, 15, return-date) AS restock-date
 FROM RETURNS

Return-id	return-date	restock-date
901	2025-04-01	2025-04-20
902	2025-04-01	2025-04-16

⑭ SELECT assign-id,
 TO_DATE(assigned-on, 'YYYY-MM-DD')
 FROM Assignments;

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

⑮ SELECT meeting-id
 TO_CHAR(scheduled-time, 'MMth DD YYYY at HH:MM:SS 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