

10-10-2025

Q1) SELECT DATEADD(MONTH, 6, 'hire-date');

emp-id	name	hire-date	hire-plus-6-months
1	Alice	2020-01-15	
2	Bob	2021-06-10	
3	Charlie	2023-03-22	2023-09-22

Q2) DATEDIFF(DAY, 'dob', '2025-10-10') AS age-in-days;

student-id	name	dob	age-in-days
101	Maya	2005-08-10	7366
102	Ethan	2004-12-01	7618
103	Sienna	2006-03-15	7149

Q3) SELECT DATEDIFF(DAY, '2024-03-30', '2024-06-15') AS days-remaining;

SELECT DATEDIFF(DAY, 'start-date', 'event-date') AS days-remaining FROM Events;

Default Start-date: 2024-03-30

event-id	event-name	Event-date	days-remaining
1	Seminar	2024-06-15	77
2	Workshop	2025-09-01	524
3	Hackathon	2025-01-20	296

Q4) SELECT DATEDIFF(DAY, 'issue-date', 'due-date') AS days-between;

invoice-id	issue-date	due-date	days-between	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	

SELECT DATEDIFF(DAY, 'issue-date', 'due-date') AS days-between
From Invoices;

Q5. TO-CHAR (start_date, 'MMYYYY') AS Formatted_date
 SELECT TOCHAR(CURRENT_DATE(), 'Mon YYYY'))

course_id	name	start_date	FormattedDate
201	SQL Basics	2025-05-01	May 2025
202	Python	2025-06-01	June 2025

SELECT TO-CHAR(CURRENT_DATE(), 'Mon YYYY') FROM courses;

Q6)

SELECT DATE_PART('YEAR', CURRENT_DATE())
 AS year_extracted FROM membership;

member_id	start_year	start_month	start_day	full_start_date
1	2023	5	10	2025-05-10
2	2022	11	25	2022-11-25

SELECT DATE_PART('Month', 'start_date') AS
 extracted_month FROM membership;

Q7)

SELECT
 DATE_ADD(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 DATE_DIFF(CURRENT_DATE(),

SELECT DATEDIFF(DAY, CURRENT_DATE(),

Q8 SELECT DATEDIFF(DAY, order_date, CURRENT_DATE())
 AS days_since_order
 From orders;

order_id	order_date	today_date	days_since
1001	2025-04-15	2025-10-10	176
1002	2025-04-10	2025-10-10	183

(Q9) SELECT DATEPART(YEAR, 'Training-date') AS training-year FROM trainings;

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

(Q10)

~~SELECT DATEPART(HOUR, published-on)~~

SELECT DATEPART(HOUR, 'published-on') AS ExtractHour
DATEPART(MINUTE, 'published-on') AS ExtractMinute
FROM Blog-Posts;

post-id	title	hour-published	minute-published
1	SQL Tips	10	15
2	Data Cleaning	16	45

(Q11)

SELECT DATEDIFF(DAY, license-expiry, CURRENT_DATE(1))
As days-left.
From drivers;

driver-id	license-expiry	days-left
301	2025-08-18	61
302	2025-12-31	649

(Q12)

SELECT TIMESTAMPDIFF(SECOND, SENT_TIMESTAMP,
CURRENT_TIMESTAMP) AS
duration-in-seconds
From Messages;

message-id	sent-timestamp	current timestamp	seconds since sent
1	10:09:32:45 2025-04-19	19:18:30 2025-10-10	15036490s
2	23:59:59 2025-04-18	19:18:30 2025-10-10	15070904s

Q13)

SELECT 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

Q14) SELECT TO-DATE (assigned-on, YYYY-MM-DD) AS
F assigned-on-date

FROM Assignments ;

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

(string)
Q15) TO-DATE if it is a text like 19 April 2025
TO-CHAR if it is an integer 2025-04-19

SELECT TO-CHAR (scheduled-time, YYYY-MM-DD)
as formatted-meeting-time
From Meetings;

meeting-id	formatted-meeting-time
1	2025-04-19 14:00:00
2	2025-04-19 09:30:00