

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	Sierina	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
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	Formatted date
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 memberships;

member-id	start_year	start-month	start-day	Full-start-date
1	2023	5	10	2023-05-10
2	2022	11	25	2022-11-25

SELECT DATE-PART ('Month', 'start-date') AS
 extracted-month FROM memberships;

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 DATE-DIFF (DAY, CURRENT_DATE(),

Q8 SELECT DATE-DIFF (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~~

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()) AS days-left
FROM drivers;

driver-id	license-expiry	days-left
301	2025-08-10	61
302	2025-12-31	649

Q12)

SELECT TIMESTAMPDIFF(SECOND, SENTTIMESTAMP, CURRENTDATETIME) AS duration-in-seconds
FROM Messages;

message-id	sent-timestamp	current timestamp	seconds-since-set
1	19:32:45 2025-04-19	19:18:30 2025-10-10	150364905
2	23:59:59 2025-04-18	19:18:30 2025-10-10	150709045

Q.13)

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

Q.14) SELECT 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) TO-DATE if it is a text (string) 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