

Exercise 5

1. Select *, DateAdd (month, 6, hire_date) as hire_plus_6_months
FROM employees;

Employees

empl_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 *, Datediff
as age_in_days
FROM Students;

Students

Student_id	name	age_in_days
101	Maya	
102	Ethan	
103	Sirena	

3. Select event_id, event_name, days_remaining,
Datediff (days, event_date, 2025-10-13) as days_remaining
FROM events;

events

event_id	event_name	days_remaining
1	Seminar	
2	Workshop	
3	Hackathon	

4. Select *, Datediff (day, issue_date, due_date) AS days-between
FROM Invoices;

Invoices

Invoice - id	Issue - date	due_date	days - between
501	2023-03-10	2023-03-25	
502	2023-04-01	2023-04-15	
503	2023-04-10	2023-04-20	

5. Select course_id, name, To_char (start_date, 'month yyyy') AS formatted_date
FROM Courses;

Courses

course_id	name	Formatted_date
201	SQL Basics	May 2023
202	Python	June 2023

6. Select member_id, Date - from - Parts (start_year, start_month, start_date) AS full_start_date
FROM Memberships;

Member_id	Full_start_date
	2023-5-10
	2022-11-25

7. Select sub-id, plan, Dateadd (year, 1, renewal-date) AS extended-renewal-date
FROM subscriptions;

Subscriptions

Sub-id	Plan	extended-renewal-date
11	Basic	2026-01-01
12	Premium	2026-03-15

8. Select *, Current_date(), Datediff(days, order-date, today-date) AS days-since-order
FROM Orders;

Orders

Order-id	order date	(today-current date)	days-since-order
1001	2025-04-15	2025-10-13	
1002	2025-04-10	2025-10-13	

9. Select training-id, topic, Datepart (year, training-date) AS training-year
FROM Training;

Training

Training-ID	topic	training-year
1	Safety	2025
2	Compliance	2025

10. ~~Select driver_id,~~
 Select *, Extract (Hour FROM published_on) AS hour_published,
 Extract (Minute FROM published_on) AS minute_published
 FROM Blog_Post;

Blog Post post_id	title	hour_published	minute_published
1	to SQL tips	13	15
2	Data cleaning	16	45

11. Select *, current_date () AS today's_date, Datediff (day, license_expiry,
 FROM Drivers AS days-left ^(today's_date)

Driver_id	today's_date	days-left
301	2025-10-13	
302	2025-10-13	

12. Select *, ^{current_timestamp () - as current timestamp} ~~current_timestamp~~, timestampdiff (^{seconds,} ~~current_timestamp~~ ^{current timestamp,} ~~current_timestamp~~ ^{sent_timestamp})
 FROM Messages as Seconds_Since_sent

Message_id	Sent_timestamp	Current_timestamp	Seconds_since_sent
1	2025-04-19 09:32:45	15:18:32	
2	2025-04-18 23:59:57	15:18:37	

- 13 Select *, Dateadd (day, 15) AS restock_date FROM Returns;
 Returns

Return_id	Return_date	restock_date
901	2025-04-05	2025-04-20
902	2025-04-01	2025-04-16

14. Select assign_id, To_date (assigned_on, '9999/MM/DD') As Assigned_on
From Assignments;

Assign_id	assigned_on_date
1	2025/03/01
2	2025/03/01

15. Select meeting_id, To_char (Scheduled_time, 'MON DD, 999
"AT" HH:MM P.')
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