Exercise 5 (Date fuctions)

① Select emp-id,
      name,
      Hire-date
DATE_ADD (month, 6, hire-date) AS
      Hire-date_plus-6months
FROM   employees;

Emp-Id	Name	hire-date	hire-plus-6-munky
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,
      DATE_DIFF (CURRENTDATE(), dob)
      AS age-in-days
FROM   students;

Stud-id	name	Age-in-days	based
101	Maya	7360	of that
102	Ethan	7630	Today
103	Sienna	7160	is
			12 Oct 2025

③ SELECT event-id,
           event-name,
           DATEDIFF (event_date, CurrentTi
        AS days-remaining
   FROM events;

Event id	Event Name	days remaining
1	Serminar	- 484
2	Workshop	- 41
3	Hackathon	- 265

④ SELECT invoice-id,
          issue-date,
          due-date,
          DATEDIFF (due-date, issue date
        AS days-between
   FROM invoices;

Invoice-id	issue-date	due-date	days-betwee
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
         Courses;

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

6) SELECT member_id
         DATE_FROM_PARTS (start_year, start_month, start_day) AS full_start_date
   FROM   Memberships;

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	extended-renewal_Date
11	Basic	2026 - 01 - 01
12	Premium	2026 - 03 - 15

⑧ SELECT order-id,
            order-date,
            CURRENT_DATE AS todays-date
            DATEDIFF(CURRENT_DATE, order-...
            AS days - since - order
   FROM   Orders;

order-id	order-date	pday-date	days-since-o...
1001	2025-04-15	2025-10-12	180
1002	2025-04-10	2025-10-12	185

⑨ SELECT
            training-id,
            Topic
            DATE-PART (year, training-date)
            AS training-
   FROM   year
            trainings;

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

⑩ SELECT post-id,
title,
EXTRACT (HOUR FROM pusblished on)
AS hour - published
EXTRACT (Minute from publshed on)
As minute publishcd
FROM Blog -posts ;

Post-id	Tittle	Hour_published	minute publshg
1	SQL Tips	10	15
2	Data cleaning	16	45

⑪ SELECT driver-id,
licence_expirey,
DATEDIFF (licence_expirey, '2025-10-12')
AS days - Left
FROM deliveries ;

drwer id	licence_expiry	days — left
301	2025-08-10	- 63
302	2023-12-31	-651

12) SELECT message-id,
sent-timestamp
(CURRENT_Timestamp AS current),
TIMESTAMPDIFF (second, sent_timestamp,
current_timestamp) n²,
Seconds - since - sent
FROM   messages ;

message_id	sent_timestamp	current_timestamp	Seconds
1	2025-04-19 09:32:45	2025-10-12 10:00:00	-15,268,
2	2025-04-18 23:57:59	2025-10-12 10:00:00	-15,354,

13) SELECT return-id,
return-date,
DATE-ADD (return-date, 15, day)
AS restock date
FROM   Returns ;

return_date	return id	restock date
2025-04-05	901	2025 - 04-20
2025 - 04-01	902	2025 -04 -16

14) SELECT assign-id,
TO_DATE (assigned_on, 'yyyy-mm-dd')
AS assignetion_date
FROM   assignments ;

assign -ld	assigned - on --lor/p
	01 March - 2025
1	05 March 2025
2	

(5) SELECT meeting - id,
      TO_CHAR (scheduled time , 'month, DD,
                 yyyy , "at" HH12 mi AM)
         AS formatted_Meeting_time
FROM   Meetings;

meeting id	formatted - meetry - time
1	April 19, 2025 at 02:00Pm
2	April 19 2025 at 09:30 AM

(6)