

## Exercise 5:

### DATE FUNCTIONS:

Q1. Select emp-ID,  
name,  
hire-date  
Date ADD( Month, 6, '2020-10-16', '2021-06-10', '2023-03-22' )  
AS hire-plus-6-months  
FROM Employees  
GROUP BY hire-date;

Q2. Select Student-ID,  
name,  
DATEDIFF ( day, date1, '2025-10-12' )  
FROM Students;

Q3. Select Event-ID,  
Event-name,  
Event-DATE,  
~~DATEDIFF~~ ( Day, Event  
CURRENT\_DATE ( YYYY-MM-DD ) AS Current-DATE,  
DATEDIFF ( Day, Event-DATE, current-date ) AS day-remaining<sup>60</sup>  
FROM Events;

Q4. Select Invoice-ID,  
 Issue-date,  
 due-date  
 DATEDIFF ( Days, 'Issue-date', 'due-date' ) AS days-  
 between  
 FROM Invoices ;

Q5. Select Course-ID,  
 name,  
 TO-Char ( Start-date, YYYY ) AS formatted-date  
 FROM Courses ;

6. Select Member-ID,  
 DATE-PART ( Start-year, Start-month, Start-day ) AS full-  
 start-date  
 FROM Memberships ;

OR

Select Member-ID,  
 DATE-PART ( Start-year, Start-month, Start-day, YYYY-MM-DD )  
 AS full-start-date  
 FROM memberships ;



Q7. Select sub-ID,  
plan,  
DATEADD(1; renewal-date) AS extended-renewal-date  
FROM Subscriptions;

Q8. Select order-ID,  
Order-date,  
Current-DATE('YYYY-MM-DD') AS today-date,  
DateDiff(Days, today-date, Order-date,  
'today-date') AS days-since-order  
FROM Orders;

Q9. Select training-ID,  
topic,  
DATE\_PART(Training-date, Year 'YYYY') AS training-  
year  
FROM Trainings;

Q10. Select post-ID,  
title,  
HOUR(Published-on) AS hour-published  
Minute(Published-on) AS minute-published  
FROM Blog-posts

Q11. Select driver-ID,  
 license-expiry,  
 Current-date ('YYYY-MM-DD') AS current-date,  
 DATEDIFF (Day, 'license-expiry', 'current-date') AS  
 days-left  
 FROM Drivers

Q12. Select message-ID,  
 sent-timestamp,  
 Current-timestamp ('YYYY-MM-DD, HH-MM-SS') AS current-  
 timestamp,  
 TIMESTAMPDIFF (Second, sent-timestamp, current-timestamp)  
 AS seconds-since-sent  
 FROM messages;

Q13. Select return-ID,  
 Return-date,  
 DATEADD (Day, 15, 'return-date') AS Restock-date  
 FROM Returns

Q14. Select assign-ID,  
 TO-DATE (assigned-on, 'YYYY-MM-DD') AS assigned-on-  
 date  
 FROM Assignments



Q15. Select Meeting-ID,  
 TO-CHAR (Scheduled-time, MM-DD, YYYY AT HH) AS  
 FORMATTED-meeting-time  
 FROM Meetings;

OR

Select Meeting-ID  
 TO-CHAR (Scheduled-time, MM-DD, YYYY AT HH:MI:AM)  
 AS FORMATTED-meeting-time  
 FROM meetings;