Date Function — faither Vhumbai

Exercise 6

Question 1

```
SELECT EMP_ID,
       Name,
       HIRE_DATE
DATEADD (MONTH, 6, HIRE_DATE) AS HIRE_PLUS_
FROM Employees,
```

Output

EMP_id	Name	HIRE_date	
1	Alice	2020-01-15	2020-07-15
2	Bob	2021-06-10	2021-12-10
3	Charlie	2023-03-22	2023-09-22

Question 2

```
SELECT STUDENT_ID
       NAME,
       DATEDIFF (DAY, DOB, CURRENT_DATE) AS AGE_
FROM STUDENTS
```

Student_id	NAME	AGE_IN_DAY
101	MAYA	7388
102	ETHAN	7642
103	SIENNA	7141

Question 3

```
SELECT EVENT_ID,
       EVENT_NAME,
DATEDIFF (DAYS, EVEN_NAME, CURRENT_DATE) AS
FROM EVENTS
```

EVENT_ID	EVENT-NAME	DAYS_REMAINING
1	SEMINAR	487
2	WORKSHOP	44
3	HACKATHON	268

Question 4

```
SELECT   INVOICE_ID
         ISSUE_DATE,
         DUE_DATE
DATEDIFF (DAY, ISSUE_DATE, DUE_DATE) AS DAYS_BETWEEN
FROM  INVOICES;
```

Outcome

INVOICES_ID	ISSUE_DATE	DUE_DATE	DAYS_BE
01	2025-03-10	2025-03-25	15
02	2025-04-10	2025-04-15	4
203	2025-04-10	2025-04-20	10

Question 5

```
SELECT  COURSE_ID
        NAME
TO_CHAR(START_DATE, 'Month YYYY') AS FORMATED_DA
     FROM  COURSES;
```

Outcome

COURSE_ID	NAME	FORMATTED_D
201	SQL BASICS	MAY 2025
202	PYTHON	JUNE 2025

Question 6

```
SELECT  Member-ID
DATEFROMPARTS (START_YEAR, START_MONTH, START_MON
        START_DAY) AS FULL_START_DATE
FROM  MEMBERSHIP;
```

MEMBER-ID	FULL-START-DATE
1	2023-05-10
2	2022-11-25

Question 7

```
SELECT   SUB-ID,
         PLAN
DATEADD (YEAR, 1, RENEWAL_DATE) AS EXTENDED_RENEWAL_DATE
FROM  SUBSCRIPTIONS,
```

SUB-ID	PLAN	EXTENDED_RENEWAL_D
11	BASIC	2026-01-01
12	PREMIUM	2026-03-15

QUESTION 8

```
SELECT   ORDER-ID,
         ORDER-DATE,
CURRENT-DATE AS TODAY-DATE,
DATEDIFF (ORDER-DATE, CURRENT DATE) AS DAYS.SIN
                                         ORDE
```

ORDER-ID	OUTCOME ORDER-DATE	TODAY-DATE	DAYSSIN
1001	2025-04-15	2025-10-19	187
1002	2025-04-10	2025-10-19	192

Question 9

```
SELECT  TRAINING_ID,
        TOPIC
EXTRACT (YEAR FROM training_date) AS TRAINING
FROM   TRAININGS;
```

TRAINING-ID	TOPIC	TRAINING-Y
1	Safety	2025
2	Compliance	2025

Question 10.

```
SELECT POST_ID,
       TITLE,
EXTRACT (HOUR FROM PUBLISHED_ON) AS HOUR_PUBLISH
EXRACT (MINUTE FROM PUBLISHED_ON) AS MINUTE_ALIA
   FROM BLOG_POST
```

POST_ID	TITLE	HOUR_PUBLISHED	MINUTE_PUB
1	SQL TIPS	10	15
2	DATA CLEANING	16	45

QUESTION 11

```
SELECT DRIVER_ID,
       LICENSE_EXPIRY,
DATEDIFF(DAY, LICENCE_EXPIRY, CURRENT_DATE) AS DAYS_
  FROM DRIVERS
```

DRIVER_ID	LICENSE_EXPIRY	DAYS_LEFT
301	2025-08-10	66
302	2023-12-31	654

QUESTION 12

```
SELECT   MESSAGE_ID
   SENT_TIMESTAMP,
      CURRENT_TIMESTAMP AS CURRENT_TIMESTAMP,
      DATEDIF (SECOND, SENT_TIMESTAMP, CURRENT_TIMESTAMP) AS SECOND_
                                                            SENT
```

MESSAGE_ID	SENT_TIMESTAMP	CURRENT_TIMESTAMP	SECONDS_SIN SEN
1	2025-04-19 09:32 455	2025-10-19 00:00:00	153 0000
2	2025-04-18 23:59:56	2025-10-15 00:00:08	1531 0000

Question 13

```
SELECT return_id,
       return_date,
DATEADD(DAYS, 15, RETURN_DATE) AS RESTOCK_DA
  FROM RETURNS,
```

RETURN_ID	RETURN_DATE	RESTOCK_DATE
901	2025-04-05	2025-04-20
902	2025-04-01	2025-04-10

QUESTION 14

```
SELECT ASSIGN_ID,
TO_DATE (assigned_on 'YYY-mm-dd') AS assigned_on_date,
FROM ASSIGNMENTS
```

ASSIGN_id	ASSigned_on-date
1	2025-03-01
2	2025-03-55

Question 15

```
SELECT MEETING_ID,
TO_CHAR (SCHEDULED_TIME, 'MONTH DD, YYYY "AT" HH :MI AM')
                                AS FORMATTED_MEETING
FROM MEETINGS,
```

MEETING_ID	FORMATTED MEETING TIME
1	APRIL 19, 2025 AT 02:00 PM
2	APRIL 19, 2025 A9 9.50 AM