DATE functions.

Q1 SELECT emp_id,
name

hire_date,

Date Add(months, '2005-05-10') AS hire_plus_6_months
hire_plus_6_months

1.

Q. SELECT DATE_ADD (months, 6, h.

emp_id	name	hire_date	hire_plus_6_mont
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 3

```sql
SELECT event_id,
       event_name,
       DateDiff (Day, '2025-10-08', event_date)
       AS days-remaining
FROM events;
```

event_Id	event_name	days_remaining
1	seminar	−480
2	workshop	−37
3	hackathon	+26

Question 2.

```sql
SELECT student_Id,
       name,
       Date diff(Day, '2005-08-10', '2025-10-13) AS age_in_days
FROM students;
```

Student Id	name	age_in_days
101	maya	7369
102	Ethan	7612
103	Siena	7149

Question 4

```sql
SELECT invoice_Id,
       issue_date,
       due_date
       date diff (day, issue_date, due_date) AS
                  days_between
```

2005-05-10
2004-12-60
2006-03-15

DATE_from_parts()

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

Question 5

TO_char() = TO_CHAR(value, Format)

```
SELECT course_id,
       name,
TO_CHAR(, 'Month YYYY') AS formatted_date.
FROM courses;
```

Course_id	name	Formatted-date
201	SQL Basic	May 2025
202	Python	June 2025

Question 6.

```
SELECT member_id,                                    Start-Yr,
       full_start DATE_FROM_PARTS ( YYYY,  Start-
FROM memberships;                                    mon
                                             , Start-day,
```

member_id	full_start_date
1	2023-5-10
2	2022-11-25

Date functions Exercise.

Question 7

```
SELECT sub_id,
       plan,
DATE ADD (YEAR, 1, '2025-01-01') AS extended
FROM subscriptions;                    renewal_date
```

sub id	extended_renewal_date
11	2026-01-01
12	2026-03-15

Question 8:

```
SELECT order_id,
       Order_date,
       Current date() As today_date,
       Dated diff(day, 2025-04-15, 2025-10-14)
                         As days_since_order
FROM orders:
```

order-id	today date order date	days-since-order
1001	2025-10-14	182.
1002	2025-10-14	173.

Question 9.

```
SELECT training_id,
       topic,
YEAR ('2025-01-10') AS training_year
FROM Trainings;
```

training Id	topic	training-year
	safety	2025
2	Compliance	2025

Question 10

```
SELECT post-id,
        title,
Hour ('2025-04-01 10:15:00) AS hour_published
minutes ('2025-04-01 10:15:00') AS minute_publish
FROM Blog.posts;
```

Post_id	title	Hour_published	minute_published
1	SQL tips	10	15
2	Data cleany	16	45

Question 11

```
SELECT driver-id,
        license_expiry,
Current date() AS today's_date,
Datediff(day, '2025-08-10', '2025-10-14') AS
        days_left
FROM Drivers;
```

drivers_id	license_expiry	days_left
301	2025-08-10	65
302	2023-12-31	633.

12

Question 12

```
SELECT message_id,
       sent_timestamp,
Current_time_stamp (2025-10-14 20:20:20) AS
       Current_time_stamp
datediff( seconds, '2025-04-19 09:32:45', '2025-10-14
                                            20:20:20')
                              AS seconds_since_sent
FROM messages;
```

message_id	sent_time_stamp	current_time_stamp	seconds since sent
1	2025-04-19 09:32:45	2025-10-10 20:10:10	
2	2025-04-18 23:59:57	2025-10-10 20:20:20	

Question 13.

```
SELECT return_id,
       return_date,
Date_add (Day, 15, '2025-04-05') 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

Question 14

```
SELECT assign_id,
       assign_on_date
FROM Assignments;
```

assign_id	assigned_on
1	2025-03-01
2	2025-03-05

Question 15

```
SELECT meeting_id,
To CHAR ('MMMM, dd, YYYY, HH, mm)
       AS formatted_meeting_time
FROM meetings;
```

meeting_id	formatted_meeting_time
1	April 19, 2025 at 2:00pm
2	April 19, 2025 at 09:30am