Exercise 5

Question 1

Select employ_id, hire_date, name,
   Dateadd (month, 6, hire_date) as hire
   plus_6_months.

emp_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

Question 2.

select student_id, name,
DATEDIFF (days, dob, current_date) as age-in-days
   from students;

student_id	name	age-in-days
101	Maya	7367
102	Ethan	7621
103	Sienna	7152

Question 3.

```
Select event_id, event_name,
      Datediff ( day, '2024-06-15', '2025-09-01')
```

```
Select event_id, event_name
Datediff (day, event_dat) as days_remaining)
from events
```

event_id	event_name	days_remaining
1	Seminar	219 days
2	workshop	219 223
3	Hackathon	223

Question 4.

```
select invoice_id, issue_date, due_date,
      Datediff (day, issue_date, due_date)
      as days_between
      from invoices
```

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.

```sql
select course_id, name,
To_char (start_date, 'Month YYYY') as
    formatted_date from courses;
```

Course_id	name	formatted_date
201	SQ Basics	May 2025
202	Python	June 2025

Question 6

```sql
select member_id,
DATEFROMPARTS (start_year, start_month,
    start_day) as full_start_date
from memberships;
```

member_id	full_start_date
1	2023-03-10
2	2022-11-25
3	

Question 7

```sql
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	2025-03-15

Question 8

select order_id, order_date, current_date() as today_d
DATEDIFF (day, order_date,

Select order_id, order_date,
    current_date() as today_date,
    Datediff (current_date() , order_date) as
    days_since_order
    from orders;

order_id	order_date	today_date	days_since_order
1001	2025-04-15	2025-10-13	181
1002	2025-04-10	2025-10-13	186

Question 9.

Select training_id, topic,
DATE Extract (YEAR from

select training_id, topic,
    DATEPART (year, training_date) As training_year
    from Trainings;

training_id	topic	training_date year
1	Safety	2025
2	Compliance	2025

from messages;

message_id	Set timestamp	Current timestamp
1	2025-04-19 09:32:45	2025-10-13 20:00:00 11:00:00
2	2025-04-18 23:09:59	2025-10-15 11:00:00

seconds_since_sent			
15292035			
15319201			

Question 13.

select return_id, return_date
~~DATEDIFF~~ DATEADD (days, 15, return_date) 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 4

Select, assign_id
(AST (assigned_on AS date) as assigned_on_date
from Assignments;

assign_id	assigned_on_date
1	2025-03-01
0	2025-03-05.

Question is

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 2:00 PM
2	April 19, 2025 at 9:30 AM