

Q1 (Table 1: Employees) (Date - Functions)

```
SELECT Emp-Id, name, hire-date,  
       DATEADD(month, 6, hire-date) AS hire-plus-6-months  
FROM Employees;
```

output:

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

Q2 (Table 2: Students)

```
SELECT Student-Id, name,  
       DATEDIFF(day, dob, current-DATE()) AS age-in-days  
FROM Students;
```

output (using current date of '2025-10-11')

Student-Id	name	age-in-days
101	Marya	7360
102	Ethan	7642
103	Sienna	7131

Q3 (Table 3: Events)

```
SELECT event-id, event-name,  
       DATEDIFF(day, current-DATE(), event-date) AS days-remaining  
FROM Events;
```


output (using current date as '2023-10-11')

Event-id	event-name	days-remaining
1	Seminar	- 483
2	Workshop	- 40
3	Hackathon	- 264

Q4 (Table 4: Invoices)

```
SELECT invoice-id, issue-date, due-date,  
DATEDIFF(day, issue-date, due-date) AS days-between  
FROM Invoices;
```

output:

invoice-id	issue-date	due-date	days-between
501	2023-03-10	2023-03-25	15
502	2023-04-01	2023-04-15	14
503	2023-04-10	2023-04-20	10

Q5 (Table 5: courses)

```
SELECT course-id, name,  
TO_CHAR(start-date, 'Month YYYY') AS formatted-date  
FROM courses;
```

output:

course-id	name	formatted-date
201	SQL Basics	May 2023
202	Python	June 2023

Q6 (Table 6: Memberships)

```
SELECT member-id,  
DATE - FROM - PARTS (start-year, start-month, start-day) AS full-start-  
date  
FROM Memberships;
```

Output:

member-id	Full-start-date
1	2023-05-10
2	2022-11-25

Q7: (Table 7: Subscriptions)

```
SELECT sub-id, plan,  
DATEADD (year, 1, renewal-date) AS extended-renewal-date  
FROM Subscriptions;
```

output

Sub-id	Plan	extended-renewal-date
11	Basic	2026-01-01
12	Premium	2026-03-15

Q8: (Table 8: Orders)

```
SELECT order-id, order-date,  
CURRENT-DATE() AS today-date,  
DATEDIFF (day, order-date, CURRENT-DATE()) AS days-since-order  
FROM orders
```

output (using current date of '2025-10-11')

order-id	order-date	today-date	days-since-order
1001	2025-04-15	2025-10-11	179
1002	2025-04-10	2025-10-11	184

Q9 (Table 9: Trainings)

```
SELECT training_id, topic,  
       EXTRACT ( year FROM training-date ) AS training-year  
FROM Trainings;
```

output:

train	training_id	topic	training-year
	1	Security	2025
	2	Compliance	2025

Q10 (Table 10: Blog-Posts -)

```
SELECT post-id, title,  
       EXTRACT (hour FROM published-on) AS hour-published,  
       EXTRACT (minute FROM published-on) AS minute-published  
FROM Blog-Posts
```

output:

post-id	title	hour-published	minute-published
1	SQL Tips	10	15
2	Data Cleaning	16	45

Q11 (Table 11: Drivers)

```
SELECT driver-id, license_expiry,  
       DATEDIFF (day, CURRENT-DATE(), license_expiry) AS days-left  
FROM Drivers;
```

output (using current date of '2023-10-11')

driver-id	license-expiry	days-left
301	2025-08-10	-62
302	2023-12-31	-650

Q-12 (Table 12: Messages)

```
SELECT message-id, sent-timestamp,
CURRENT-TIMESTAMP() AS current-timestamp,
DATEIFF (second, sent-timestamp, CURRENT-TIMESTAMP()) AS second-since-
sent
FROM Messages;
```

output: (using current timestamp() of 2025-10-11 09:00:00)

message-id	sent-timestamp	current-timestamp	second-since-sent
1	2025-04-19 09:32:45	2025-10-11 09:00:00	15,750,000
2	2025-04-18 23:59:59	2025-10-11 09:00:00	15,775,000

Q13 (Table 13: Returns)

```
SELECT return-id, return-date
DATEADD (day, 15, return-date) AS restock-date
FROM Returns
```

output

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

Question - 14 (Table 14: Assignments)

```
SELECT assign-id,  
TO_DATE(assign-on, 'YYYY-MM-DD') AS assigned-on-date  
FROM Assignments;
```

output

assign-id	assigned-on-date
1	2023-03-01
2	2023-03-08

Q 15 (Table 15: Meetings)

```
SELECT meeting-id,  
TO_CHAR(scheduled-time, 'Month DD, YYYY "at" HH:MI AM') AS  
formatted-meeting-time  
FROM Meetings;
```

output

meeting-id	formatted-meeting-time
1	April 19, 2023 at 2:00 PM
2	April 19, 2023 at 09:30 AM