```sql
-- 1. Who entered the **CEO's Office** close to the time of the murder?
select e.name, kl.room,kl.entry_time,kl.exit_time
from employees e
join keycard_logs kl
on e.employee_id = kl.employee_id
where room = "CEO Office";
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

name	room	entry_time	exit_time
David Kumar	CEO Office	2025-10-15 20:50:00	2025-10-15 21:00:00

```sql
-- 2. Who "claimed" to be somewhere else but was not?
select e.employee_id,e.name,kl.room,kl.entry_time,kl.exit_time,al.claimed_location,al.claim_time
from employees e
Join keycard_logs kl
on kl.employee_id=e.employee_id
join alibis al
on al.employee_id = e.employee_id
where kl.room = "CEO Office";
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	name	room	entry_time	exit_time	claimed_location	claim_time
4	David Kumar	CEO Office	2025-10-15 20:50:00	2025-10-15 21:00:00	Server Room	2025-10-15 20:50:00

```sql
-- 3. Who made or received calls around 20:50-21:00?
 select c.call_id,c.caller_id,caller.name,c.receiver_id,receiver.name,c.call_time,c.duration_sec
 from calls c
join employees caller on c.caller_id=caller.employee_id
join employees receiver on c.receiver_id=receiver.employee_id
where call_time between "2025-10-15 20:50" and "2025-10-15 21:00";
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

call_id	caller_id	name	receiver_id	name	call_time	duration_sec
1	4	David Kumar	1	Alice Johnson	2025-10-15 20:55:00	45

```sql
-- 4. What evidence was found at the "crime scene"?
select evidence_id,room,description,found_time
from evidence
where room="CEO Office"
order by found_time;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

evidence_id	room	description	found_time
1	CEO Office	Fingerprint on desk	2025-10-15 21:05:00
2	CEO Office	Keycard swipe logs mismatch	2025-10-15 21:10:00
NULL	NULL	NULL	NULL

```sql
-- 5.. Which suspect's movements, alibi, and call activity "don't add up"?
with crime_location as
(select kl.employee_id,e.name,kl.room,kl.entry_time,kl.exit_time
from keycard_logs kl
join employees e on kl.employee_id=e.employee_id
where room= "CEO Office"
and entry_time between "2025-10-15 20:50"  and "2025-10-15 21:00") ,
false_alibis as
(select a.employee_id,a.claimed_location,a.claim_time,kl.room as actual_room
from employees e
join alibis a on a.employee_id = e.employee_id
join keycard_logs kl on kl.employee_id=a.employee_id
and a.claim_time between kl.entry_time and exit_time
where a.claimed_location <> kl.room),
call_activity as
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	killer	murder_location	false_claimroom	false_claimtime	suspicious_call	duration
4	David Kumar	CEO Office	Server Room	2025-10-15 20:50:00	2025-10-15 20:55:00	45

```
46    call_activity as
47    (select c.caller_id,e.name as callerName,c.call_time,c.duration_sec
48    from calls c
49    join employees e
50    on e.employee_id = c.caller_id
51    where call_time between "2025-10-15 20:45" and "2025-10-15 21:05")
52
53    select cl.employee_id,cl.name as killer,cl.room  as murder_location,fa.claimed_location as false_claimroom,
54    fa.claim_time as false_claimtime, ca.call_time as suspicious_call,ca.duration_sec as duration
55    from crime_location cl
56    Left join false_alibis fa on cl.employee_id = fa.employee_id
57    Left join call_activity ca on cl.employee_id= ca.caller_id;
58
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	killer	murder_location	false_claimroom	false_claimtime	suspicious_call	duration
4	David Kumar	CEO Office	Server Room	2025-10-15 20:50:00	2025-10-15 20:55:00	45