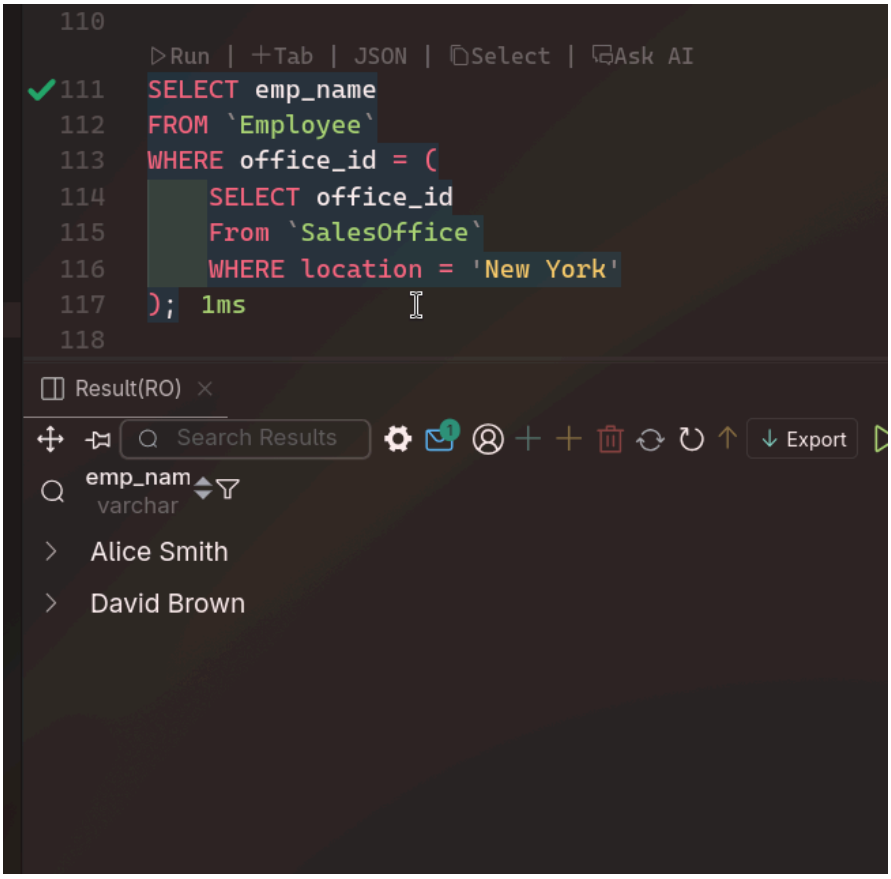
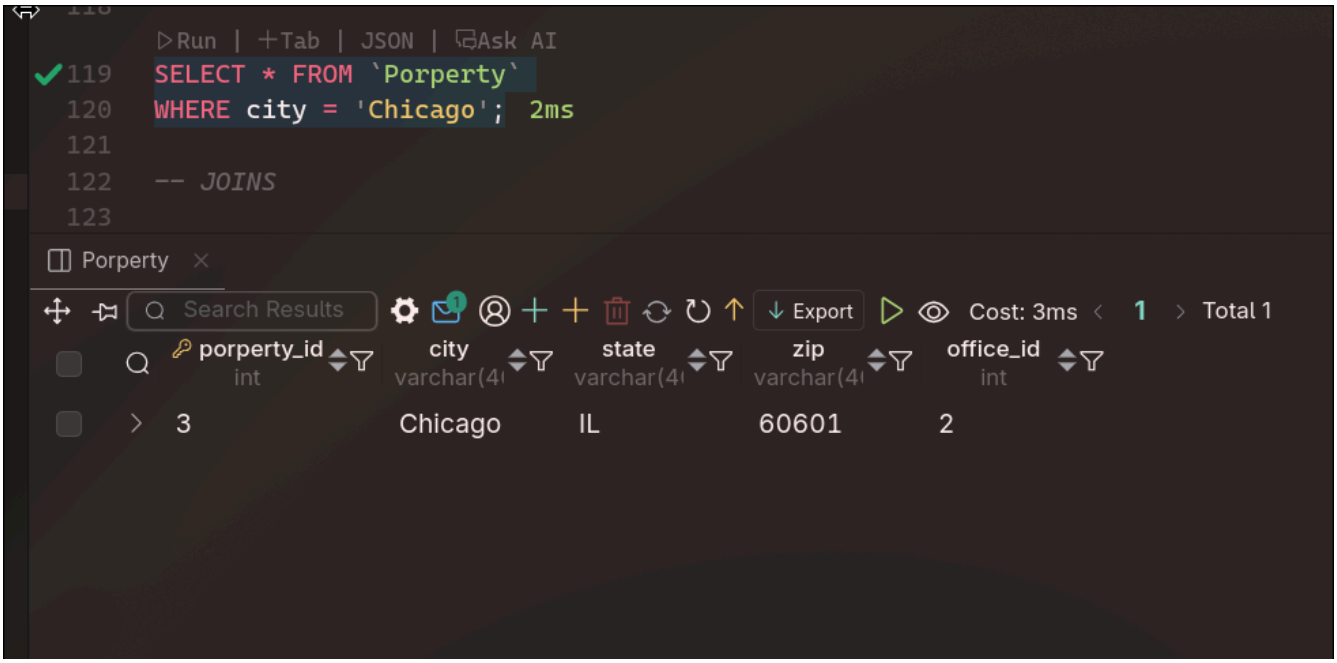

Run | Tab | JSON | Select | Ask AI
SELECT emp_name
FROM `Employee`
WHERE office_id = (
SELECT office_id
From `SalesOffice`
WHERE location = 'New York'
); 1ms
Result(RO)
Search Results
Export
emp_nam
varchar
Alice Smith
David Brown


Run | Tab | JSON | Ask AI
SELECT * FROM `Porperty`
WHERE city = 'Chicago'; 2ms
-- JOINS
Porperty
Search Results
Export
Cost: 3ms
1
Total 1
porperty_id
int
city
varchar(4
state
varchar(4
zip
varchar(4
office_id
int
3
Chicago
IL
60601
2

```sql
-- Show properties and their managing office location.
SELECT p.*, s.location as "Managing Office Loaction"
FROM `Porperty` as p
JOIN `SalesOffice` as s
ON p.office_id = s.office_id ;  1ms

--  List owners with the properties they own.
```

Result(RO)

Search Results | Export | Cost: 1ms | 1 | Total 5

porperty_id int	city varchar	state varchar	zip varchar	office_id int	Managing Office Loa varchar
1	New York	NY	10001	1	New York
2	Brooklyn	NY	11201	1	New York
3	Chicago	IL	60601	2	Chicago
4	Austin	TX	78701	3	Austin
5	Dallas	TX	75201	3	Austin

```sql
SELECT o.*, p.*, po.percent_owned
FROM `PropertyOwner` as po
INNER JOIN `Porperty` as p
ON p.porperty_id = po.prob_id
INNER JOIN `Owner` as o
ON o.owner_id = po.owner_id;  2ms
```

Result(RO)

Search Results | Export | Cost: 2ms | 1 | Total 6

owner_id int	owner_name varchar	porperty_id int	city varchar	state varchar	zip varchar	office_id int	percent_owned int
1	Mike Davis	5	Dallas	TX	75201	3	100
2	Sarah Wilson	1	New York	NY	10001	1	60
2	Sarah Wilson	1	New York	NY	10001	1	40
2	Sarah Wilson	2	Brooklyn	NY	11201	1	100
3	Tom King	3	Chicago	IL	60601	2	100
4	Laura White	4	Austin	TX	78701	3	100

```sql
-- Count how many employees are in each office
SELECT
    s.office_id,
    s.location,
    COUNT (e.emp_id) as "Employee Count"
FROM `Employee` as e
JOIN `SalesOffice` as s ON s.office_id = e.office_id
GROUP BY s.location, s.office_id;  1ms


-- Find average number of properties per office.
```

Result(RO)

Search Results | Export | Cost: 1ms | 1 | Total 3

office_id int	location varchar	Employee Count bigint
1	New York	2
2	Chicago	2
3	Austin	1

```sql
-- Find average number of properties per office.
SELECT
    (SELECT COUNT(*) FROM `Porperty`) / (SELECT COUNT(*) FROM `SalesOffice`);  1ms


-- Constrians

-- o Make sure every property is linked to exactly one office.
```

Result(RO)

Search Results | Export | Cost: 1ms | 1 | Total 1

(SELECT COUNT(*)) decimal
1.6667

```sql
-- o Make sure every property is linked to exactly one office.
SELECT * FROM Porperty
WHERE office_id IS NULL;  1ms
```

Porperty

Search Results | Export | Cost: 2ms | 1 | Total 0

porperty_id int	city varchar(4	state varchar(4	zip varchar(4	office_id int

```sql
-- o Show employees not assigned as managers.
SELECT e.*, s.manager_id
FROM `SalesOffice` as s
RIGHT JOIN `Employee` as e
ON s.manager_id = e.emp_id
WHERE s.manager_id IS NULL;  1ms
```

Result(RO)

Search Results | Export | Cost: 1ms | 1 | Total 2

emp_id int	emp_nam varchar	office_id int	manager_id int
4	David Brown	1	(NULL)
5	Eva Green	2	(NULL)

```
▷Run | +Tab | JSON | Select | Ask AI
SELECT office_id, COUNT(office_id) > (
    SELECT COUNT(*) FROM `Porperty`) / (SELECT COUNT(*) FROM `SalesOffice`
) as 'Above AVG'
FROM `Porperty` GROUP BY office_id ;  1ms
```

Result(RO)

Search Results | Export | Cost: 1ms | 1 | Total 3

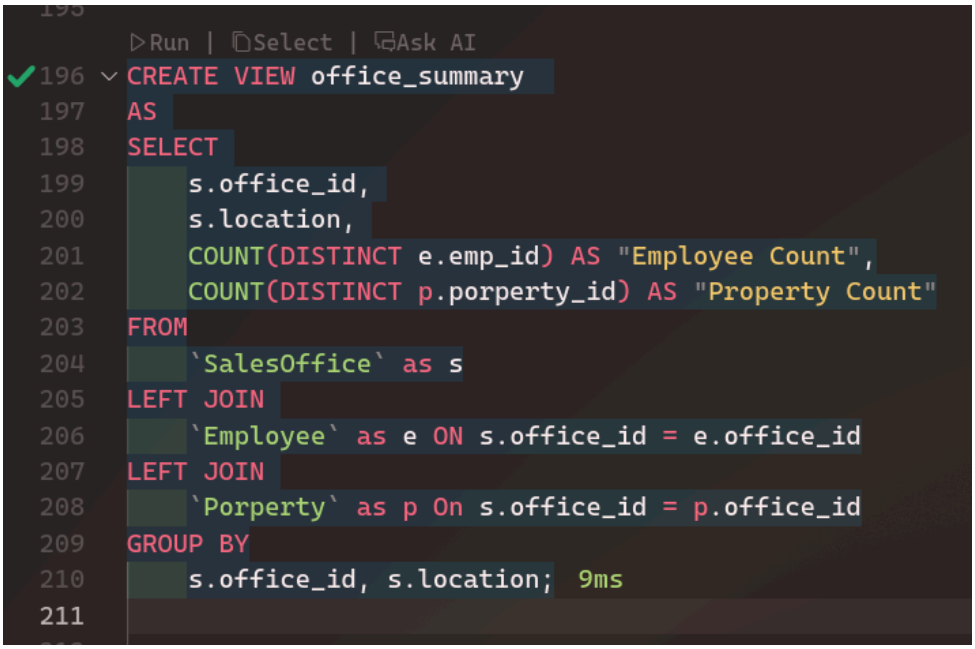
office_id (int)	Above AVG (bigint)
1	1
2	0
3	1

```
-- o Find owners who own more than one property.
▷Run | +Tab | JSON | Select | Ask AI
SELECT owner_id, owner_name
FROM Owner
WHERE owner_id IN (
    SELECT owner_id
    FROM `PropertyOwner`
    GROUP BY owner_id
    HAVING COUNT(owner_id) > 1
);
```

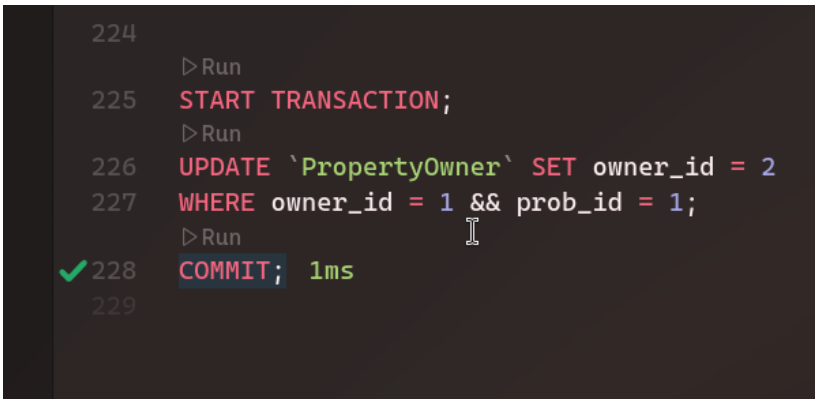
Result(RO)

Search Results | Export | Cost: 1ms | 1 | Total 3

office_id (int)	Above AVG (bigint)
1	1
2	0
3	1



```
▷Run | Select | Ask AI
196 CREATE VIEW office_summary
197 AS
198 SELECT
199     s.office_id,
200     s.location,
201     COUNT(DISTINCT e.emp_id) AS "Employee Count",
202     COUNT(DISTINCT p.porperty_id) AS "Property Count"
203 FROM
204     `SalesOffice` as s
205 LEFT JOIN
206     `Employee` as e ON s.office_id = e.office_id
207 LEFT JOIN
208     `Porperty` as p On s.office_id = p.office_id
209 GROUP BY
210     s.office_id, s.location;  9ms
211
```



```
224
    ▷Run
225 START TRANSACTION;
    ▷Run
226 UPDATE `PropertyOwner` SET owner_id = 2
227 WHERE owner_id = 1 && prob_id = 1;
    ▷Run
228 COMMIT;  1ms
229
```