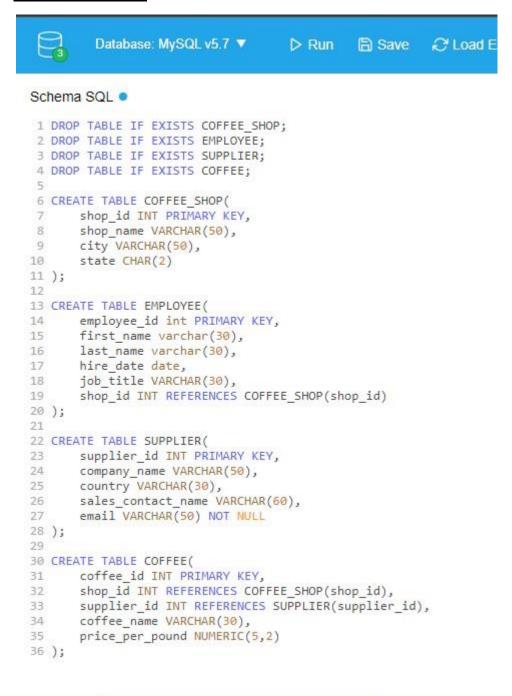
# <u>SQL code to create each table as specified in the "Coffee Co ER Diagram Sample" by doing the following:</u>



Query successfully executed in 12ms

## SQL code to populate each table in the database design by adding in test values

### SQL code to create a view

```
CREATE VIEW Employee_view as select employee_id, first_name+' '+last_name as employee_full_name, hire_date, job_title, shop_id from EMPLOYEE;

Query successfully executed in 29ms ×
```

#### SQL code to create an index on the coffee name field by doing the following: a.

```
CREATE INDEX idx_coffeename
ON COFFEE (coffee_name);

Query successfully executed in 63ms ×
```

# <u>SQL code to create an SFW (SELECT-FROM-WHERE) query for any of your tables or views by doing the following:</u>

#### Query #1 Execution time: 1ms first name last\_name hire\_date job\_title John Smith 2021-01-20 General Manager 2021-01-20 Tim Cashier Jones Nelson 2021-01-20 Susan Supervisor

```
1 select first_name, last_name, hire_date, job_title
2 from EMPLOYEE
3 where hire date = '2021-01-20'
```

b.

## SQL code to create an SFW query using joins to combine tables:

```
1 select cs.shop_name, c.coffee_name, c.price_per_pound, s.company_name, s.sales_contact_name
2 from COFFEE c
3 left join COFFEE_SHOP as cs on c.shop_id = cs.shop_id
4 left join SUPPLIER as s on c.supplier_id = s.supplier_id
```

## Query #1 Execution time: 0ms

shop_name	coffee_name	price_per_pound	company_name	sales_contact_name
Cafe East	Premium Roast	9.99	Colombia Coffee	Peter
Cafe North	Mocha	6.99	Wholesale Brew	Barbara
Cafe West	French Vanilla	8.25	Coffee Express	George