- 1. Develop SQL code to create *each* table as specified in the attached "Jaunty Coffee Co. ERD" by doing the following:
 - a. Provide the SQL code you wrote to create all the tables.
 - b. Demonstrate that you tested your code by providing a screenshot showing your SQL commands and the database server's response.

В1

```
1 CREATE TABLE COFFEE_SHOP (
 2 shop_id INT,
 3 shop_name VARCHAR(50),
 4 city VARCHAR(50),
 5 state CHAR(2),
 6 PRIMARY KEY (shop_id)
 7
 8
 9 CREATE TABLE EMPLOYEE (
10 employee_id INT,
11 first_name VARCHAR(30),
12 last_name VARCHAR(30),
13 hire_date DATE,
job_title VARCHAR(30),
15 shop_id INT,
16 PRIMARY KEY (employee_id),
17 FOREIGN KEY (shop_id) REFERENCES COFFEE_SHOP(shop_id)
18);
19
20 CREATE TABLE SUPPLIER(
21 supplier_id INT,
22 company_name VARCHAR(50),
23 country VARCHAR(30),
24 sales_contact_name VARCHAR(60),
25 email VARCHAR(50),
26 PRIMARY KEY (supplier_id)
27 );
28
29 CREATE TABLE COFFEE(
30 coffee id INT,
31 shop id INT,
32 supplier_id INT,
33 coffee_name VARCHAR(30),
34 price_per_pound NUMERIC(5,2),
35 PRIMARY KEY (coffee_id),
36 FOREIGN KEY (shop_id) REFERENCES COFFEE_SHOP(shop_id),
37 FOREIGN KEY (supplier_id) REFERENCES SUPPLIER(supplier_id)
38 );
39
```

✓ Schema Ready

Develop SQL code to populate each table in the database design document by doing the following:

Note: This data is not provided. You will be fabricating the data for this step.

- a. Provide the SQL code you wrote to populate the tables with *at least* **three** rows of data in *each* table.
- b. Demonstrate that you tested your code by providing a screenshot showing your SQL commands and the database server's response.

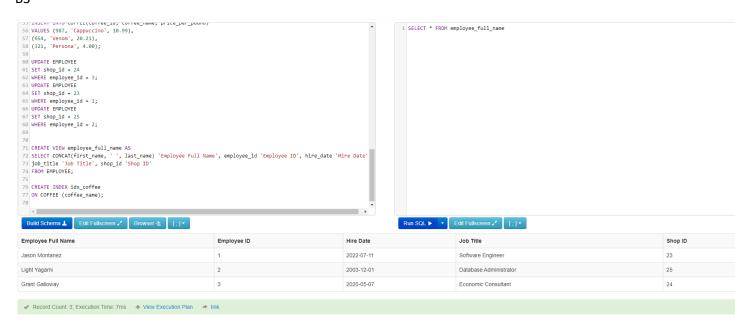
B2

```
40 INSERT INTO EMPLOYEE (employee_id, first_name, last_name, hire_date, job_title)
41 VALUES (1, 'Jason', 'Montanez', '2022-07-11', 'Software Engineer'),
42 (2, 'Light', 'Yagami', '2003-12-01', 'Database Administrator'),
43 (3, 'Grant', 'Galloway', '2020-5-07', 'Economic Consultant');
45 INSERT INTO COFFEE SHOP (shop_id, shop_name, city, state)
46 VALUES (24, 'Phoenix Jaunty Coffee Co.', 'Phoenix', 'AZ'),
47 (23, 'Spring Hill Jaunty Coffee Co.', 'Spring Hill', 'FL'),
48 (25, 'Tucson Jaunty Coffee Co.', 'Tucson', 'AZ');
50 INSERT INTO SUPPLIER(supplier_id, company_name, country, sales_contact_name, email)
51 VALUES (123, 'Tokyo Bean Co.', 'Japan', 'Ryuk Shinigami', 'shinigamiloveapples@gmail.com'),
52 (456, 'Peckham Milk Co.', 'United Kingdom', 'Phoenix Valorant', 'claimthecrown@protonmail.com'),
53 (789, 'Logic\'s Tea Co.', 'United States', 'Sir Robert Bryson Hall II', 'bobbytarantino@yahoo.com');
55 INSERT INTO COFFEE(coffee id, coffee name, price per pound)
56 VALUES (987, 'Cappuccino', 10.99),
57 (654, 'Venom', 20.21),
58 (321, 'Persona', 4.00);
60
```

✓ Schema Ready

- 3. Develop SQL code to create a view by doing the following:
 - a. Provide the SQL code you wrote to create your view. The view should show all of the information from the "Employee" table but concatenate each employee's first and last name, formatted with a space between the first and last name, into a new attribute called employee_full_name.
 - b. Demonstrate that you tested your code by providing a screenshot showing your SQL commands and the database server's response.





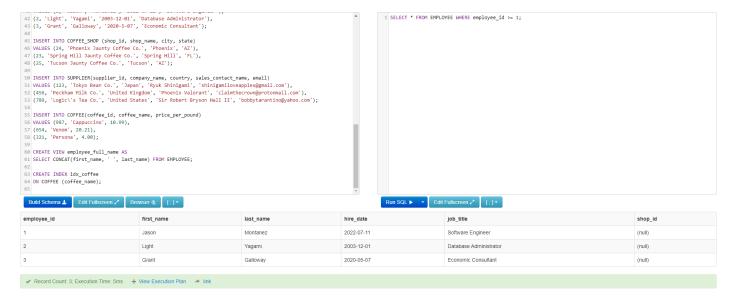
- 4. Develop SQL code to create an index on the coffee_name field by doing the following:
 - a. Provide the SQL code you wrote to create your index on the coffee_name field from the "Coffee" table.

b. Demonstrate that you tested your code by providing a screenshot showing your SQL commands and the database server's response.

В4



- 5. Develop SQL code to create an SFW (SELECT–FROM–WHERE) query for *any* of your tables or views by doing the following:
 - a. Provide the SQL code you wrote to create your SFW query.
 - b. Demonstrate that you tested your code by providing a screenshot showing your SQL commands and the database server's response.



- 6. Develop SQL code to create a query by doing the following:
 - a. Provide the SQL code you wrote to create your table joins query. The query should join together **three** different tables and include attributes from *all* three tables in its output.
 - b. Demonstrate that you tested your code by providing a screenshot showing your SQL commands and the database server's response.

B6

