- 1)ran python codes from local in terminal for mock data generator
- 2)uploaded to s3 the data using uploadtos3 function using terminal
- 3)created redshift tables from the below commands

```
CREATE TABLE ecommerce data.dim customers (
    customer id VARCHAR(20) ENCODE 1zo,
    first_name VARCHAR(255) ENCODE lzo,
    last name VARCHAR(255) ENCODE lzo,
    email VARCHAR(255) ENCODE 1zo,
    membership_level VARCHAR(255) ENCODE lzo
DISTSTYLE KEY
DISTKEY (membership_level)
SORTKEY (customer_id , first_name, last_name);
INSERT INTO ecommerce_data.dim_customers (customer_id, first_name, last_name,
email, membership_level)
VALUES
('CUST00001', 'John', 'Doe', 'john.doe@example.com', 'BR'),
('CUST00002', 'Jane', 'Smith', 'jane.smith@example.com', 'SL'),
('CUST00003', 'Michael', 'Lee', 'michael.lee@example.com', 'GL'),
('CUST00004', 'Alice', 'Broun', 'alice.brown@example.com', 'BR'),
('CUST00005', 'David', 'Miller', 'david.miller@example.com', 'SL');
CREATE TABLE ecommerce_data.dim_products (
    product_id VARCHAR(20) ENCODE lzo,
    product_name VARCHAR(255) ENCODE lzo,
    category VARCHAR(100) ENCODE lzo,
    price DECIMAL(10,2) ENCODE delta,
    supplier_id VARCHAR(20) ENCODE lzo
DISTSTYLE KEY
DISTKEY (category)
SORTKEY (product_id , product_name);
INSERT INTO ecommerce_data.dim_products (product_id, product_name, category,
price, supplier_id)
VALUES
                                        , 499.99,
```

```
0007', 'Microwave', 'Home Goods', 149.99, 'SUP00001'),
0008', 'Vacuum Cleaner', 'Home Goods', 199.99, 'SUP0000
0009', 'Book', 'Other', 14.99, 'SUP00003'),
00010', 'Movie', 'Other', 19.99, 'SUP00002');
CREATE TABLE ecommerce_data.fact_transactions (
     transaction_id VARCHAR(20) ENCODE lzo,
     customer_id VARCHAR(20) ENCODE lzo,
     customer_email VARCHAR(100) ENCODE lzo,
     product_id VARCHAR(20) ENCODE lzo,
     product name VARCHAR(255) ENCODE 1zo,
     quantity INT ENCODE LZO,
     price DECIMAL(10,2) ENCODE DELTA,
     supplier id VARCHAR(20) ENCODE 1zo,
     transaction date DATE ENCODE BYTEDICT,
     transaction_type VARCHAR(20) ENCODE LZO,
     payment_type VARCHAR(20) ENCODE LZO,
     status VARCHAR(20) ENCODE 1zo
DISTSTYLE KEY
DISTKEY(transaction_type)
SORTKEY(transaction_id);
```







