Dimension Tables:

1. Calendar_dim Table Creation

Data Insertion in Calendar_dim Table

2. Customer_dim Table Creation

```
In [5]: sql = ( """
         CREATE TABLE customer dim
          customerkey INT NOT NULL AUTO INCREMENT,
          customer id VARCHAR(10) NOT NULL,
          customer first name CHAR(30) NOT NULL,
          customer_last_name CHAR(30) NOT NULL,
          street address CHAR(40) NOT NULL,
          city CHAR(30) NOT NULL,
          state CHAR(30) NOT NULL,
          country CHAR(30) NOT NULL,
          postal code INT NOT NULL,
          segment CHAR(15) NOT NULL,
          customer rating INT,
          PRIMARY KEY (customerkey)
        );
         .....
make table('customer dim', sql, cursor wh)
```

Data Insertion in Customer_dim Table

3. Product_dim Table Creation

Data Insertion in Product_dim Table

4. Website_dim Table Creation

Data Insertion in Website_dim Table

Fact Tables:

1. Sales_fact Table Creation

```
In [15]: sql = ( """
         CREATE TABLE sales_fact
             customerkey INT NOT NULL,
             calendarkey INT NOT NULL,
             websitekey INT NOT NULL,
             productkey INT NOT NULL,
             order id INT NOT NULL,
             sales FLOAT,
             units_sold INT,
             PRIMARY KEY (productkey, order_id),
             FOREIGN KEY (customerkey) REFERENCES customer_dim(customerkey),
             FOREIGN KEY (calendarkey) REFERENCES calendar_dim(calendarkey),
             FOREIGN KEY (websitekey) REFERENCES website_dim(websitekey),
             FOREIGN KEY (productkey) REFERENCES product_dim(productkey)
         );
       1
 make_table('sales_fact', sql, cursor_wh)
```

Data Insertion in Sales_fact Table

2. Listed_fact Table Creation

Data Insertion in Listed_fact Table