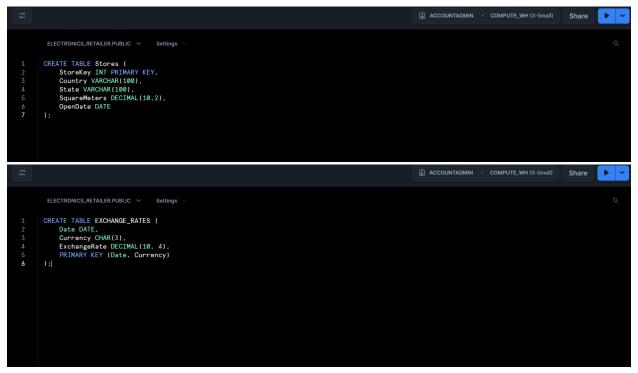
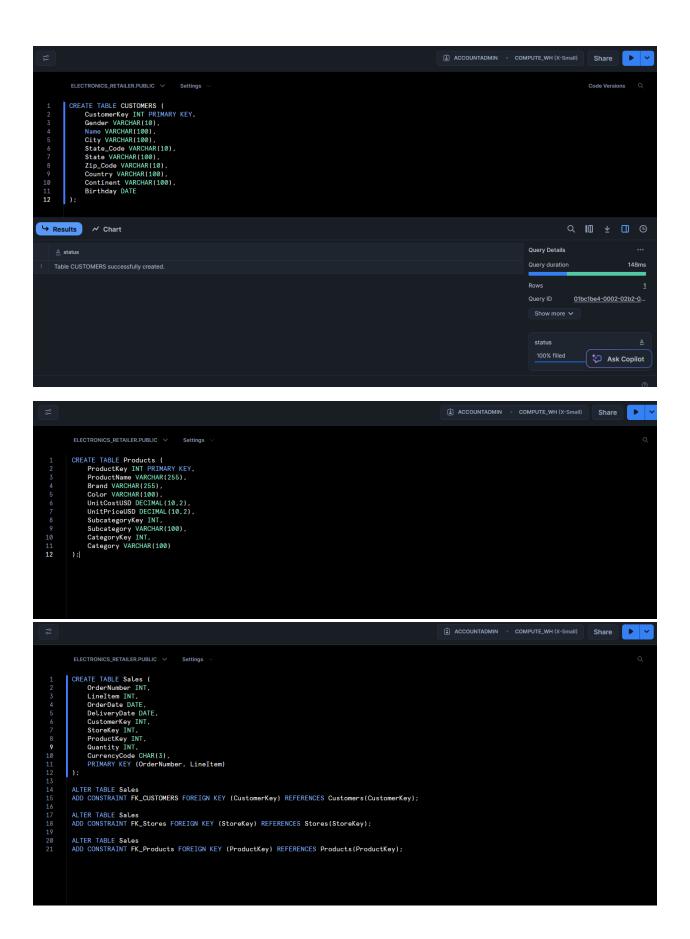
DDL Examples



The exchange rates table does not have a natural primary key. To prevent entries that have the same date and currency type, I needed to include a composition key. This key ensures that no duplicate entries for a currency on an existing date can occur.



At first glance, order number would seem to be a natural key, but an order can contain multiple which is represented with line items. A composition key ensures that there are no duplicate line items within an order that are created. The foreign key constraints ensure referential integrity between tables.

```
ELECTRONICS.RETAILER.PUBLIC V Settings V

Code Versions Q

CREATE TABLE Category (
    CategoryKey INT PRIMARY KEY,
    Category VARCHAR(255)

CREATE TABLE SubCategory(
    SubCategory VARCHAR(255),
    CategoryKey INT PRIMARY KEY,
    SubCategory VARCHAR(255),
    CategoryKey INT

ALTER TABLE SubCategory

ADD CONSTRAINT FK_CategoryKey FOREIGN KEY (CategoryKey) REFERENCES Category(CategoryKey)

ADD CONSTRAINT FK_CategoryKey FOREIGN KEY (CategoryKey) REFERENCES Category(CategoryKey)

Code Versions Q

ADD CONSTRAINT FR_CategoryKey, Settings A

ALTER TABLE SubCategory

ADD CONSTRAINT FK_CategoryKey FOREIGN KEY (CategoryKey) REFERENCES Category(CategoryKey)

The complex of the
```

Category and SubCategory Need their own tables to ensure referential integreity. Without these tables, a category/subcategory key could be tied to 2 different categories/subcategories.