

In [1]:

```
%load_ext sql
```

```
%sql mysql+pymysql://root:@localhost/chocolates #connecting to db names chocolates running on local mysql server
```

0 rows affected.

Out[1]:

```
[]
```

In []:

```
%%sql
CREATE TABLE
    GEO (
        GEOID VARCHAR(4) NOT NULL,
        GEO TEXT,
        REGION TEXT,
        PRIMARY KEY (GEOID),
        UNIQUE (GEO)
    );
```

In []:

```
%%sql

CREATE TABLE
    PRODUCTS (
        PID VARCHAR(10) NOT NULL PRIMARY KEY,
        PRODUCT TEXT,
        CATEGORY TEXT,
        SIZE TEXT,
        COST_PER_BOX DOUBLE
    );
```

In []:

```
%%sql

CREATE TABLE
    SALES (
        SPID TEXT,
        GEOID TEXT,
        PID TEXT,
        SALEDATE DATETIME DEFAULT NOT NULL,
        AMOUNT INT DEFAULT NULL,
        CUSTOMERS INT DEFAULT NULL,
        BOXES INT DEFAULT NULL,
        CONSTRAINT fk_pid FOREIGN KEY (PID) REFERENCES PRODUCTS (PID),
        CHECK (AMOUNT > 0)
    );
```

In []:

```
%%sql

CREATE TABLE
    PEOPLE (
        SPID VARCHAR(10) NOT NULL,
        SALESPERSON TEXT,
        TEAM TEXT,
        LOCATION TEXT,
        PRIMARY KEY (SPID)
    );
```