Project 2 SQLite3 Script

```
.mode csv
```

```sql
CREATE TABLE Month(
        month_id INTEGER,
        month TEXT
);

.import --skip 1 "C:\\Users\\Michael\\Desktop\\Month.csv" Month

CREATE TABLE MonthlyEnergy(
        year INTEGER,
        month_id INTEGER,
        coal REAL,
        natural_gas REAL,
        petroleum REAL,
        fossil_fuel REAL,
        nuclear REAL,
        hydro_electric REAL,
        geothermal REAL,
        solar REAL,
        wind REAL,
        biomass REAL,
        total_renewable REAL,
        total_primary REAL,
        PRIMARY KEY (year, month_id),
        FOREIGN KEY (month_id) REFERENCES Month
);

.import --skip 1 "C:\\Users\\Michael\\Desktop\\MonthlyEnergyConsumption.csv" MonthlyEnergy

CREATE TABLE AnnualEnergy(
        year INTEGER,
        coal REAL,
        natural_gas REAL,
        petroleum REAL,
        fossil_fuel REAL,
        nuclear REAL,
        hydro_electric REAL,
        geothermal REAL,
        solar REAL,
        wind REAL,
        biomass REAL,
        total_renewable REAL,
        total_primary REAL,
        PRIMARY KEY (year)
);

.import --skip 1 "C:\\Users\\Michael\\Desktop\\AnnualEnergyConsumption.csv" AnnualEnergy

CREATE TABLE Sector (
        sector_id INT,
        sector_name TEXT
);

.import --skip 1 "C:\\Users\\Michael\\Desktop\\Sector.csv" Sector
```

```sql
CREATE TABLE AnnualSectorEnergy(
        year INTEGER,
        sector_id INTEGER,
        hydro_electric REAL,
        geothermal REAL,
        solar REAL,
        wind REAL,
        wood REAL,
        waste REAL,
        ethenol REAL,
        biomass REAL,
        total REAL,
        biodiesel REAL,
        renewable_diesel REAL,
        other_biodiesel REAL,
        PRIMARY KEY (year, sector_id),
        FOREIGN KEY (sector_id) REFERENCES Sector
);

.import --skip 1 "C:\\Users\\Michael\\Desktop\\AnnualSectorEnergy.csv" AnnualSectorEnergy


CREATE TABLE MonthlySectorEnergy(
        year INTEGER,
        month_id INTEGER,
        sector_id INTEGER,
        hydro_electric REAL,
        geothermal REAL,
        solar REAL,
        wind REAL,
        wood REAL,
        waste REAL,
        ethenol REAL,
        biomass REAL,
        total REAL,
        biodiesel REAL,
        renewable_diesel REAL,
        other_biodiesel REAL,
        PRIMARY KEY (year, sector_id, month_id),
        FOREIGN KEY (sector_id) REFERENCES Sector,
        FOREIGN KEY (month_id) REFERENCES Month
);

.import --skip 1 "C:\\Users\\Michael\\Desktop\\MonthlySectorEnergy.csv" MonthlySectorEnergy

CREATE TABLE StateEnergy2020(
        state TEXT,
        coal REAL,
        natural_gas REAL,
        distillate_fuel REAL,
        hgl REAL,
        jet_fuel REAL,
        petroleum_gasoline REAL,
        residual_fuel REAL,
        other REAL,
        total_fossil_fuel REAL,
        supplemental_gaseous_fuel REAL,
        biodiesel REAL,
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        ethenol REAL,
        PRIMARY KEY (state)
);

.import --skip 1 "C:\\Users\\Michael\\Desktop\\StateEnergy2020.csv" StateEnergy2020
```