

```
USE master;
GO
```

```
DROP DATABASE IF EXISTS qol;
GO
```

```
CREATE DATABASE qol;
GO
```

```
USE qol;
GO
```

```
drop table if exists Question;
```

```
drop table if exists IncomePerCapita;
```

```
drop table if exists Race;
```

```
drop table if exists Location;
```

```
drop table if exists Breakout;
go
```

```
create table Breakout (
    BreakoutID          INT          Primary Key Identity (1,1),
    Breakout             nvarchar(50) Null,
    BreakoutCategory     nvarchar(50) Null,
    CONSTRAINT unq_Breakout UNIQUE (BreakoutID, Breakout,
BreakoutCategory)
);
GO
```

```
create table Location (
    LocationID          INT          Primary Key Identity (1,1),
    [State]             nvarchar(50) Null,
    Population2000       INT          Null,
    Population2010       INT          Null,
    CONSTRAINT unq_Location UNIQUE (LocationID, [State], Population2000,
Population2010)
);
GO
```

```
create table IncomePerCapita (
    IncomeCapitaID      INT          Primary Key Identity (1,1),
    stateAbbr           nvarchar(50) Null,
    Year                INT          Null,
    IncomePerCapita     INT          Null,
    LocationID          INT          Null,
    CONSTRAINT fk_capita_LocationID
```

```

        FOREIGN KEY (LocationID)
        REFERENCES Location(LocationID),
    );
GO

```

```

create table Race (
    RaceID            INT            Primary Key Identity (1,1),
    stateAbbr         nvarchar(50)   Null,
    race              nvarchar(100)  Null,
    totalRacePopulation INT          Null,
    LocationID        INT            Null,
    CONSTRAINT fk_race_LocationID
        FOREIGN KEY (LocationID)
        REFERENCES Location(LocationID),
);
GO

```

```

create table Question (
    QuestionID        INT            Primary Key Identity(1,1),
    Question           nvarchar(100) Null,
    ValueType          nvarchar(50)  Null,
    [Value]            Decimal(3,1)   Null,
    [Year]             INT            Null, --from risk factors table
    SampleSize         INT            Null,
    BreakoutID         INT            Null,
    LocationID         INT            Null,
    CONSTRAINT fk_BreakoutID
        FOREIGN KEY (BreakoutID)
        REFERENCES Breakout(BreakoutID),
    CONSTRAINT fk_LocationID
        FOREIGN KEY (LocationID)
        REFERENCES Location(LocationID),
    CONSTRAINT unq_Question UNIQUE (QuestionID, Question, ValueType,
    [Value], [Year], SampleSize, BreakoutID, LocationID)
);
GO

```

```

insert into Breakout(Breakout, BreakoutCategory)
Select DISTINCT breakout, breakoutCategory
from risk_factors_clean

```

```

insert into Location([State], Population2000, Population2010)
Select DISTINCT state, totalStatePop2000, totalStatePop2010
from totalStatePops

```

```

insert into IncomePerCapita (stateAbbr, Year, IncomePerCapita, LocationID)
select distinct stateAbbr, Year, IncomePerCapita, L.LocationID
from Capita as C
JOIN Location AS L on C.stateAbbr = L.State

```

```
insert into Race(stateAbbr, race, totalRacePopulation, LocationID)
select distinct stateAbbr, race, totalPopByRace, L.LocationID
from racePopulations as R
    JOIN Location AS L on R.stateAbbr = L.State
```

```
insert into Question(Question, ValueType, [Value], rfc.[Year], SampleSize,
BreakoutID, LocationID)
select  rfc.Question, rfc.dataValueType, rfc.dataValues, rfc.Year,
rfc.sampleSize, Br.BreakoutID, L.LocationID
from risk_factors_clean AS RFC
    JOIN Breakout as Br on RFC.breakout = Br.Breakout
    LEFT JOIN Location as L on RFC.StateAbbr = L.[State]
GO
```