IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='MysticalPropertyList')

BEGIN

DROP TABLE MysticalPropertyList

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='OtherNameList')

BEGIN

DROP TABLE OtherNameList

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='RarityList')

BEGIN

DROP TABLE RarityList

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='ColorList')

BEGIN

DROP TABLE ColorList

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='SourceList')

BEGIN

DROP TABLE SourceList

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='MysticalProperty')

BEGIN

DROP TABLE MysticalProperty

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='OtherName')

BEGIN

DROP TABLE OtherName

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='Rarity')

BEGIN

DROP TABLE Rarity

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='Color')

BEGIN

DROP TABLE Color

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='Source')

BEGIN

DROP TABLE Source

END

IF EXISTS (SELECT \* FROM INFORMATION\_SCHEMA.TABLES WHERE TABLE\_NAME='Crystal')

BEGIN

DROP TABLE Crystal

END

-- Creating the Crystal table

CREATE TABLE Crystal (

-- Columns for Crystal table

CrystalID int identity

, CrystalName varchar(50) not null

-- Constraints on Crystal table

CONSTRAINT PK\_Crystal PRIMARY KEY (CrystalID)

)

-- Creating the Source table

CREATE TABLE Source (

-- Columns for Source table

SourceID int identity

, SourceContinent varchar(20) not null

, SourceCountry varchar(50)

, SourceRegion varchar(50)

-- Constraints on Source table

CONSTRAINT PK\_Source PRIMARY KEY (SourceID)

)

-- Creating the Color table

CREATE TABLE Color (

-- Columns for Color table

ColorID int identity

, Color varchar(50) not null

, Appearance varchar(50) not null

-- Constraints on Color table

CONSTRAINT PK\_Color PRIMARY KEY (ColorID)

)

-- Creating the Rarity table

CREATE TABLE Rarity (

-- Columns for Rarity table

RarityID int identity

, Rarity varchar(30) not null

-- Constraints on Rarity table

CONSTRAINT PK\_Rarity PRIMARY KEY (RarityID)

)

-- Creating the OtherName table

CREATE TABLE OtherName (

-- Columns for Other Name table

OtherNameID int identity

, OtherName varchar(50)

-- Constraints on Other Name table

CONSTRAINT PK\_OtherName PRIMARY KEY (OtherNameID)

)

-- Creating the Mystical roperty table

CREATE TABLE MysticalProperty (

-- Columns for MysticalProperty table

MysticalPropID int identity

, MystPropName varchar(30) not null

, Description varchar(100) not null

-- Constraints on Mystical Property table

CONSTRAINT PK\_MysticalProperty PRIMARY KEY (MysticalPropID)

)

-- Creating the SourceList table

CREATE TABLE SourceList (

-- Columns for SourceList table

SourceListID int identity

, SourceID int not null

, CrystalID int not null

-- Constraints on SourceList table

CONSTRAINT PK\_SourceList PRIMARY KEY (SourceListID)

, CONSTRAINT FK1\_SourceList FOREIGN KEY (SourceID) REFERENCES Source(SourceID)

, CONSTRAINT FK2\_SourceList FOREIGN KEY (CrystalID) REFERENCES Crystal(CrystalID)

)

-- Creating the ColorList table

CREATE TABLE ColorList (

-- Columns for ColorList table

ColorListID int identity

, ColorID int not null

, CrystalID int not null

-- Constraints on SourceList table

CONSTRAINT PK\_ColorList PRIMARY KEY (ColorListID)

, CONSTRAINT FK1\_ColorList FOREIGN KEY (ColorID) REFERENCES Color(ColorID)

, CONSTRAINT FK2\_ColorList FOREIGN KEY (CrystalID) REFERENCES Crystal(CrystalID)

)

-- Creating the RarityList table

CREATE TABLE RarityList (

-- Columns for RarityList table

RarityListID int identity

, RarityID int not null

, CrystalID int not null

-- Constraints on RarityList table

CONSTRAINT PK\_RarityList PRIMARY KEY (RarityListID)

, CONSTRAINT FK1\_RarityList FOREIGN KEY (RarityID) REFERENCES Rarity(RarityID)

, CONSTRAINT FK2\_RarityList FOREIGN KEY (CrystalID) REFERENCES Crystal(CrystalID)

)

-- Creating the OtherNameList table

CREATE TABLE OtherNameList (

-- Columns for OtherNameList table

OtherNameListID int identity

, OtherNameID int not null

, CrystalID int not null

-- Constraints on OtherNameList table

CONSTRAINT PK\_OtherNameList PRIMARY KEY (OtherNameListID)

, CONSTRAINT FK1\_OtherNameList FOREIGN KEY (OtherNameID) REFERENCES OtherName(OtherNameID)

, CONSTRAINT FK2\_OtherNameList FOREIGN KEY (CrystalID) REFERENCES Crystal(CrystalID)

)

-- Creating the MysticalPropertyList table

CREATE TABLE MysticalPropertyList (

-- Columns for MysticalPropertyList table

MysticalPropListID int identity

, MysticalPropID int not null

, CrystalID int not null

-- Constraints on MysticalPropertyList table

CONSTRAINT PK\_MysticalPropertyList PRIMARY KEY (MysticalPropListID)

, CONSTRAINT FK1\_MysticalPropertyList FOREIGN KEY (MysticalPropID) REFERENCES MysticalProperty(MysticalPropID)

, CONSTRAINT FK2\_MysticalPropertyList FOREIGN KEY (CrystalID) REFERENCES Crystal(CrystalID)

)

--Adding data to Crystal table

INSERT INTO Crystal(CrystalName)

VALUES

('Labradorite'), ('Citrine'), ('Diamond'), ('Carnelian')

, ('Moss Agate'), ('Snow Quartz'), ('Smoky Quartz'), ('Rose Quartz')

, ('Cat’s Eye'), ('Garnet'), ('Aquamarine'), ('Alexandrite')

, ('Selenite'), ('Moonstone'), ('Tiger’s Eye')

--Adding data to Source table

INSERT INTO Source(SourceContinent, SourceCountry)

VALUES

('Europe', 'Italy'), ('Europe', 'Finland')

, ('Europe', 'Scandinavia'), ('Asia', 'Russia')

, ('North America', 'Greenland'), ('North America', 'Canada')

, ('Africa', 'Zimbabwe'), ('South America', 'Brazil')

, ('Europe', 'France'), ('Europe', 'Britain')

, ('Africa', 'Madagascar'), ('North America', 'United States')

, ('Africa', 'Africa'), ('Australia', 'Australia'), ('Asia', 'India')

, ('Europe', 'Czech Republic'), ('Europe', 'Slovakia')

, ('Europe', 'Romania'), ('South America', 'Peru')

, ('Europe', 'Iceland'), ('Worldwide', 'Worldwide')

, ('Africa', 'South Africa'), ('Asia', 'Japan')

, ('Asia', 'Myanmar'), ('Africa', 'Ghana')

, ('Europe', 'Norway'), ('North America', 'Mexico')

, ('Europe', 'Ireland'), ('Asia', 'Afghanistan')

, ('Asia', 'Pakistan'), ('Asia', 'Sri Lanka')

, ('Europe', 'Austria'), ('Europe', 'Greece')

, ('Europe', 'Poland'), ('Europe', 'Germany')

, ('Europe', 'England')

--Adding data to Color table

INSERT INTO Color(Color, Appearance)

VALUES

('Grayish to black with blue, yellow', 'Opaque')

, ('Yellow to yellowish brown', 'Transparent')

, ('Smoky gray-brown', 'Transparent')

, ('Clear', 'Transparent'), ('Yellow', 'Transparent')

, ('Blue', 'Transparent'), ('Brown', 'Transparent')

, ('Pink', 'Transparent'), ('Red', 'Translucent')

, ('Orange', 'Translucent'), ('Pink', 'Translucent')

, ('Brown', 'Translucent'), ('Green', 'Transparent or translucent')

, ('Blue', 'Transparent or translucent')

, ('Red', 'Transparent or translucent')

, ('Pink', 'Transparent or translucent')

, ('Orange', 'Transparent or translucent')

, ('Black', 'Transparent or translucent')

, ('Yellow', 'Transparent or translucent')

, ('Brown', 'Transparent or translucent'), ('White', 'Milky')

, ('Brownish to blackish', 'Translucent')

, ('Yellowish', 'Translucent')

, ('Golden yellow', 'Transparent')

, ('Yellow with brown', 'Transparent'), ('Green with red', 'Transparent')

, ('Green-blue', 'Clear to opaque'), ('Pure white', 'Translucent')

, ('Blue', 'Translucent'), ('Green', 'Translucent')

, ('White', 'Milky, translucent'), ('Cream', 'Milky, translucent')

, ('Yellow', 'Milky, translucent'), ('Blue', 'Milky, translucent')

, ('Green', 'Milky, translucent'), ('Brown-yellow', 'Banded, slightly shiny')

, ('Pink', 'Banded, slightly shiny')

, ('Blue', 'Banded, slightly shiny')

, ('Red', 'Banded, slightly shiny')

--Adding data to Rarity table

INSERT INTO Rarity(Rarity)

VALUES

('Readily available'), ('Rare'), ('Expensive'), ('Common'), ('Easily obtained')

--Adding data to MysticalProperty table

INSERT INTO MysticalProperty(MystPropName, Description)

VALUES

('Blood pressure', 'Lowers blood pressure')

, ('Stress relief', 'Relieves stress')

, ('Hormones', 'Balances hormones and relieves menstrual tension')

, ('Healing', 'Lowers blood pressure')

, ('Protection', 'Absorbs, transmutes, dissipates, and grounds negative energy')

, ('Abundance', 'Attracts wealth, prosperity, and success')

, ('Amplifier', 'Increases energy, positive and negative')

, ('Stability', 'Restores vitality and motivation, stimulates creativity')

, ('Grounding', 'Grounds and anchors in the present reality')

, ('Birthing', 'Assists midwives, lessens pain and ensures a good delivery')

, ('Learning', 'Supports learning lessons')

, ('Let go', 'Helps let go of overwhelming responsibilities and limitations')

, ('Positivity', 'Promotes positive and pragmatic thoughts')

, ('Love', 'Unconditional love and infinite peace, purifies and opens the heart to all levels of love')

, ('Dispels', 'Dispels negative energy from the aura and provides protection')

, ('Happiness', 'Brings confidence, happiness, serenity, and good luck')

, ('Energizing', 'Powerfully energizing and regenerating; revitalizes, purifies, and balances energy')

, ('Sex', 'Inspires love and devotion; balances the sex drive and aids sexual potency')

, ('Calming', 'Calms the mind and removes extraneous thought')

, ('Regenerative', 'Rebuilds self-respect and supports rebirth of the inner and outer self')

, ('Centers', 'Centers, reinforces, and realigns the mental, emotional, and spiritual bodies')

-- Adding data to OtherName table

INSERT INTO OtherName(OtherName)

VALUES

('Cairngorm'), ('Milk Quartz'), ('Milky Quartz'), ('Quartzite')

, ('Quartz'), ('Chrysoberyl'), ('Beryl'), ('Satin Spar')

, ('Desert Rose'), ('Spectrolite'), ('Agate')

-- Adding data to SourceList table

INSERT INTO SourceList(CrystalID, SourceID)

VALUES

((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Italy'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Greenland'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Finland'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Russia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Canada'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Scandinavia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Brazil'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Russia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'France'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Madagascar'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Britain'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'United States'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Africa'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Australia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Brazil'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'India'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Russia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'United States'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Britain'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'India'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Czech Republic'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Slovakia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Peru'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Iceland'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Romania'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'United States'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Australia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'India'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Worldwide'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Smoky Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Worldwide'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'South Africa'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'United States'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Brazil'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Japan'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'India'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Madagascar'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Australia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Brazil'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Myanmar'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Canada'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Ghana'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Norway'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Zimbabwe'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Russia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Worldwide'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'United States'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Mexico'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Russia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Brazil'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'India'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Ireland'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Zimbabwe'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Afghanistan'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Pakistan'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Australia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Brazil'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Myanmar'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Canada'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Ghana'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Norway'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Zimbabwe'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Russia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'United States'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Mexico'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Russia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Austria'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Greece'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Poland'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Germany'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'France'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'England'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'India'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Sri Lanka'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Australia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'United States'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Mexico'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'India'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'Australia'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT SourceID FROM Source WHERE SourceCountry = 'South Africa'))

-- Adding data to ColorList table

INSERT INTO ColorList(CrystalID, ColorID)

VALUES

((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT ColorID FROM Color WHERE ((Color = 'Brown-yellow') AND (Appearance = 'Banded, slightly shiny'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT ColorID FROM Color WHERE ((Color = 'Pink') AND (Appearance = 'Banded, slightly shiny'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT ColorID FROM Color WHERE ((Color = 'Blue') AND (Appearance = 'Banded, slightly shiny'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT ColorID FROM Color WHERE ((Color = 'Red') AND (Appearance = 'Banded, slightly shiny'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT ColorID FROM Color WHERE Color = 'Grayish to black with blue, yellow'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT ColorID FROM Color WHERE Color = 'Yellow to yellowish brown'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT ColorID FROM Color WHERE Color = 'Smoky gray-brown'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT ColorID FROM Color WHERE Color = 'Clear'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT ColorID FROM Color WHERE ((Color = 'Yellow') AND (Appearance = 'Transparent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT ColorID FROM Color WHERE ((Color = 'Blue') AND (Appearance = 'Transparent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT ColorID FROM Color WHERE ((Color = 'Brown') AND (Appearance = 'Transparent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT ColorID FROM Color WHERE ((Color = 'Pink') AND (Appearance = 'Transparent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT ColorID FROM Color WHERE ((Color = 'Red') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT ColorID FROM Color WHERE ((Color = 'Orange') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT ColorID FROM Color WHERE ((Color = 'Pink') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT ColorID FROM Color WHERE ((Color = 'Brown') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT ColorID FROM Color WHERE ((Color = 'Green') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT ColorID FROM Color WHERE ((Color = 'Blue') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT ColorID FROM Color WHERE ((Color = 'Red') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT ColorID FROM Color WHERE ((Color = 'Yellow') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT ColorID FROM Color WHERE ((Color = 'Brown') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT ColorID FROM Color WHERE ((Color = 'White') AND (Appearance = 'Milky'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Smoky Quartz'),

(SELECT ColorID FROM Color WHERE Color = 'Brownish to blackish'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Smoky Quartz'),

(SELECT ColorID FROM Color WHERE Color = 'Yellowish'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT ColorID FROM Color WHERE ((Color = 'Pink') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT ColorID FROM Color WHERE Color = 'Golden yellow'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT ColorID FROM Color WHERE Color = 'Yellow with brown'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT ColorID FROM Color WHERE Color = 'Green with red'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT ColorID FROM Color WHERE Color = 'Green with red'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT ColorID FROM Color WHERE ((Color = 'Red') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT ColorID FROM Color WHERE ((Color = 'Pink') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT ColorID FROM Color WHERE ((Color = 'Green') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT ColorID FROM Color WHERE ((Color = 'Orange') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT ColorID FROM Color WHERE ((Color = 'Yellow') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT ColorID FROM Color WHERE ((Color = 'Brown') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT ColorID FROM Color WHERE ((Color = 'Black') AND (Appearance = 'Transparent or translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT ColorID FROM Color WHERE Color = 'Green-blue'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT ColorID FROM Color WHERE ((Color = 'Pure white') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT ColorID FROM Color WHERE ((Color = 'Orange') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT ColorID FROM Color WHERE ((Color = 'Blue') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT ColorID FROM Color WHERE ((Color = 'Brown') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT ColorID FROM Color WHERE ((Color = 'Green') AND (Appearance = 'Translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT ColorID FROM Color WHERE ((Color = 'White') AND (Appearance = 'Milky, translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT ColorID FROM Color WHERE ((Color = 'Cream') AND (Appearance = 'Milky, translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT ColorID FROM Color WHERE ((Color = 'Yellow') AND (Appearance = 'Milky, translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT ColorID FROM Color WHERE ((Color = 'Blue') AND (Appearance = 'Milky, translucent'))))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT ColorID FROM Color WHERE ((Color = 'Green') AND (Appearance = 'Milky, translucent'))))

-- Adding data to RarityList table

INSERT INTO RarityList(CrystalID, RarityID)

VALUES

((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Easily obtained'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Readily available'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Rare'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Expensive'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Common'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Common'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Easily obtained'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Smoky Quartz'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Easily obtained'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Easily obtained'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Readily available'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Expensive'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Rare'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Common'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Readily available'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Easily obtained'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT RarityID FROM Rarity WHERE Rarity = 'Easily obtained'))

-- Adding data to MysticalPropertyList table

INSERT INTO MysticalPropertyList(CrystalID, MysticalPropID)

VALUES

((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Energizing'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Tiger’s Eye'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Grounding'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Stress relief'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Blood pressure'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Healing'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Abundance'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Protection'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Hormones'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Abundance'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Diamond'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Amplifier'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Grounding'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Carnelian'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Protection'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Abundance'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Birthing'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Learning'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Amplifier'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Let go'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Smoky Quartz'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Grounding'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Smoky Quartz'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Positivity'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Love'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Positivity'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Dispels'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Grounding'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Centers'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Regenerative'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Energizing'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Garnet'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Sex'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Calming'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Aquamarine'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Stress relief'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Centers'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Calming'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Learning'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Hormones'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moonstone'),

(SELECT MysticalPropID FROM MysticalProperty WHERE MystPropName = 'Calming'))

-- Adding data to OtherNameList table

INSERT INTO OtherNameList(CrystalID, OtherNameID)

VALUES

((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Labradorite'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Spectrolite'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Citrine'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Cairngorm'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Moss Agate'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Agate'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Milk Quartz'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Milky Quartz'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Quartz'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Snow Quartz'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Quartzite'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Smoky Quartz'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Quartz'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Rose Quartz'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Quartz'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Chrysoberyl'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Cat’s Eye'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Beryl'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Chrysoberyl'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Alexandrite'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Beryl'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Satin Spar'))

, ((SELECT CrystalID FROM Crystal WHERE CrystalName = 'Selenite'),

(SELECT OtherNameID FROM OtherName WHERE OtherName = 'Desert Rose'))

-- Updating a CrystalName in the Crystal table

UPDATE Crystal SET CrystalName = 'Black Moonstone' WHERE CrystalName = 'Moonstone'

-- Select statements to answer data questions

-- How many crystals do I own?

SELECT COUNT(CrystalID) as NumberOfCrystals FROM Crystal

-- How many types of rare crystals do I own?

SELECT

Rarity.Rarity

, COUNT(RarityList.RarityID) as RarityCount

FROM RarityList

JOIN Rarity ON Rarity.RarityID = RarityList.RarityID

GROUP BY

Rarity.Rarity

ORDER BY RarityCount DESC

SELECT

Crystal.CrystalName

, Rarity.Rarity

FROM Crystal

JOIN RarityList ON RarityList.CrystalID = Crystal.CrystalID

JOIN Rarity ON Rarity.RarityID = RarityList.RarityID

WHERE Rarity.Rarity = 'Rare'

GROUP BY

Crystal.CrystalName

, Rarity.Rarity

-- What crystals have protection properties?

SELECT

Crystal.CrystalName

, MysticalProperty.MystPropName

FROM Crystal

JOIN MysticalPropertyList ON MysticalPropertyList.CrystalID = Crystal.CrystalID

JOIN MysticalProperty ON MysticalProperty.MysticalPropID = MysticalPropertyList.MysticalPropID

WHERE MysticalProperty.MystPropName = 'Protection'

GROUP BY

Crystal.CrystalName

, MysticalProperty.MystPropName

-- What crystals have healing properties?

SELECT

Crystal.CrystalName

, MysticalProperty.MystPropName

FROM Crystal

JOIN MysticalPropertyList ON MysticalPropertyList.CrystalID = Crystal.CrystalID

JOIN MysticalProperty ON MysticalProperty.MysticalPropID = MysticalPropertyList.MysticalPropID

WHERE MysticalProperty.MystPropName = 'Healing'

GROUP BY

Crystal.CrystalName

, MysticalProperty.MystPropName

-- What source do most of my crystals originate from?

SELECT

Source.SourceCountry

, Source.SourceContinent

, COUNT(SourceList.SourceListID) as SourceCount

FROM Source

JOIN SourceList ON SourceList.SourceID = Source.SourceID

GROUP BY

Source.SourceCountry

, Source.SourceContinent

ORDER BY SourceCount DESC

-- Creating some Views

-- View of Rare Crystals

CREATE VIEW RareCrystals AS

SELECT

Crystal.CrystalName

, Rarity.Rarity

FROM Crystal

JOIN RarityList ON RarityList.CrystalID = Crystal.CrystalID

JOIN Rarity ON Rarity.RarityID = RarityList.RarityID

WHERE Rarity.Rarity = 'Rare'

GROUP BY

Crystal.CrystalName

, Rarity.Rarity

SELECT \* FROM RareCrystals

-- View of Source Country Count

CREATE VIEW SourceCountryCount AS

SELECT

Source.SourceCountry

, Source.SourceContinent

, COUNT(SourceList.SourceListID) as SourceCount

FROM Source

JOIN SourceList ON SourceList.SourceID = Source.SourceID

GROUP BY

Source.SourceCountry

, Source.SourceContinent

SELECT \* FROM SourceCountryCount