CREATE TABLE User (id INT PRIMARY KEY, name CHAR(20), email CHAR(30))

CREATE TABLE Trade (id INT, timestamp INT, price DOUBLE, userID INT, bought?BOOL,

PRIMARY KEY(id, userID),

FOREIGN KEY (userID)

REFERENCES User(id)

ON DELETE CASCADE)

CREATE TABLE Exchange (name CHAR(20) PRIMARY KEY, website CHAR(30))

CREATE TABLE Traded\_On(exchange\_name CHAR(20), commodity\_name CHAR(20), PRIMARY KEY(exchange\_name, commodity\_name),

FOREIGN KEY (exchange\_name) REFERENCES Exchange(name),

FOREIGN KEY (commodity\_name) REFERENCES Commodity(name))

CREATE TABLE Metric (name CHAR(20), timestamp INT, tradedon\_commodity CHAR(20), tradedon\_exchange CHAR(20),

PRIMARY KEY(name, tradedon\_exchange)

FOREIGN KEY (tradedon\_exchange, tradedon\_commodity)

REFERENCES Traded\_On(exchange\_name, commodity\_name)

ON DELETE CASCADE)

CREATE TABLE Price (metric\_name CHAR(20), buy DOUBLE, sell DOUBLE,

FOREIGN KEY (metric\_name) REFERENCES Metric(name))

CREATE TABLE Volume (metric\_name CHAR(20), daily INT, hourly INT,

FOREIGN KEY (metric\_name) REFERENCES Metric(name))

CREATE TABLE Trend (metric\_name CHAR(20), value INT, source CHAR(30),

FOREIGN KEY (metric\_name) REFERENCES Metric(name))

CREATE TABLE Commodity (name CHAR(20) PRIMARY KEY, metric\_name CHAR(20),

FOREIGN KEY (metric\_name) REFERENCES Metric(name))

CREATE TABLE Coin (commodity\_name CHAR(20) PRIMARY KEY, ICO\_value DOUBLE,

FOREIGN KEY (commodity\_name) REFERENCES Commodity(name))

CREATE TABLE Stock (commodity\_name CHAR (20) PRIMARY KEY, company\_site CHAR(30)

FOREIGN KEY (commodity\_name) REFERENCES Commodity(name))