CREATE DATABASE education

USE education

GO

CREATE TABLE suppliers

( supplierid int NOT NULL,

name varchar(20) NULL,

rating int NULL,

city varchar(20) NULL,

CONSTRAINT FK\_suppliers PRIMARY KEY CLUSTERED

(

supplierid ASC

));

GO

INSERT INTO suppliers

VALUES

(1, 'Smith',20, 'London'),

(2, 'Jonth', 10, 'Paris'),

(3, 'Blacke', 30,'Paris'),

(4, 'Clarck', 20, 'London'),

(5, 'Adams', 30, 'Athens')

GO

SELECT \* FROM suppliers

GO

CREATE TABLE Details

(Detailid int NOT NULL,

name varchar(20) NULL,

color varchar(20) NULL,

weight int NULL,

city varchar(20) NULL,

CONSTRAINT FK\_Details PRIMARY KEY CLUSTERED

(

Detailid ASC

));

GO

INSERT INTO Details

VALUES

(1, 'Screw', 'red', 12, 'London'),

(2, 'Bolt', 'green', 17, 'Paris'),

(3, 'Male-screw', 'Blue', 17, 'Roma'),

(4, 'Male-screw', 'Red', 14, 'London'),

(5, 'Whell','Blue', 12, 'Paris'),

(6, 'Bloom', 'Red', 19, 'London')

GO

SELECT \* FROM Details;

GO

CREATE TABLE Products

( productid int NOT NULL,

name varchar(20) NULL,

city varchar(20) NULL,

CONSTRAINT FK\_Products PRIMARY KEY CLUSTERED

(

productid ASC

));

GO

INSERT INTO Products

VALUES

(1, 'HDD', 'Paris'),

(2, 'Perforator', 'Roma'),

(3, 'Reader', 'Athens'),

(4, 'Printer', 'Athens'),

(5, 'FDD', 'London'),

(6, 'Terminal', 'Oslo'),

(7, 'Ribbon', 'London')

GO

SELECT \* FROM Products;

GO

CREATE TABLE supplies

(supplierid int NOT NULL,

detailid int NOT NULL,

productid int NOT NULL,

quantity int NOT NULL)

GO

INSERT INTO supplies

VALUES

(1, 1, 1, 200),

(1, 1, 4, 700),

(2, 3, 1, 400),

(2, 3, 2, 200),

(2, 3, 3, 200),

(2, 3, 4, 500),

(2, 3, 5, 600),

(2, 3, 6, 400),

(2, 3, 7, 800),

(2, 5, 2, 100),

(3, 3, 1, 200),

(3, 4, 2, 500),

(4, 6, 3, 300),

(4, 6, 7, 300),

(5, 2, 2, 200),

(5, 2, 4, 100),

(5, 5, 5, 500),

(5, 5, 7, 100),

(5, 6, 2, 200),

(5, 1, 4, 100),

(5, 3, 4, 200),

(5, 4, 4, 800),

(5, 5, 4, 400),

(5, 6, 4, 500)

GO

SELECT \* FROM supplies;

GO

ALTER TABLE supplies ADD DEFAULT ((0)) FOR quantity

GO

ALTER TABLE supplies WITH CHECK ADD CONSTRAINT FK\_to\_supliers

FOREIGN KEY (supplierid) REFERENCES suppliers (supplierid)

GO

ALTER TABLE supplies WITH CHECK ADD CONSTRAINT FK\_to\_products

FOREIGN KEY (productid) REFERENCES products (productid)

GO

ALTER TABLE supplies WITH CHECK ADD CONSTRAINT FK\_to\_Details

FOREIGN KEY (detailid) REFERENCES Details (detailid)

GO;