SARA HACHECHE

1/CREATE TABLE Supplier(

Id INT NOT NULL AUTO\_INCREMENT,

Name VARCHAR (20) NOT NULL,

Address VARCHAR (20) NOT NULL,

Phone VARCHAR (20) NOT NULL,

Fax VARCHAR (20) NOT NULL,

CONSTRAINT pk\_Id PRIMARY KEY (Id));

2/ CREATE TABLE ProductType(

Id INT NOT NULL AUTO\_INCREMENT,

type VARCHAR (20) NOT NULL,

CONSTRAINT pk\_Id PRIMARY KEY (Id));

3/ CREATE TABLE PurchaseAgent(

Id INT NOT NULL AUTO\_INCREMENT,

Name VARCHAR (20) NOT NULL,

Phone VARCHAR (20) NOT NULL,

Email VARCHAR (40) NOT NULL,

CONSTRAINT pk\_Id PRIMARY KEY (Id));

4/ CREATE TABLE Customer(

Id INT NOT NULL AUTO\_INCREMENT,

Name VARCHAR (20) NOT NULL,

Address VARCHAR (40) NOT NULL,

Phone VARCHAR (40) NOT NULL,

Active BOOLEAN,

CONSTRAINT pk\_Id PRIMARY KEY (Id));

5/ CREATE TABLE Product(

Id INT NOT NULL AUTO\_INCREMENT,

Name VARCHAR (50) NOT NULL,

Description TEXT NOT NULL,

Price DOUBLE NOT NULL,

ProductType INT NOT NULL,

CONSTRAINT pk\_Id PRIMARY KEY (Id),

CONSTRAINT fk\_producttype FOREIGN KEY (producttype) REFERENCES producttype(id));

6/ CREATE TABLE PurchaseOrder(

Id INT NOT NULL AUTO\_INCREMENT,

OrderDate DATE NOT NULL,

ArrivalDate DATE NOT NULL,

Price DOUBLE NOT NULL,

SupplierId INT NOT NULL,

PurchaseAgentId INT NOT NULL,

CONSTRAINT pk\_Id PRIMARY KEY (Id),

CONSTRAINT fk\_SupplierId FOREIGN KEY (SupplierId) REFERENCES Supplier (id),

CONSTRAINT fk\_PurchaseAgentId FOREIGN KEY (PurchaseAgentId) REFERENCES PurchaseAgent (Id));

7/ CREATE TABLE Sales (

Id INT NOT NULL AUTO\_INCREMENT,

SalesDate DATE NOT NULL,

CustomerId INT NOT NULL,

CONSTRAINT pk\_Id PRIMARY KEY (Id),

FOREIGN KEY (CustomerId) REFERENCES Customer(Id));

8/ CREATE TABLE SalesProduct(

SalesId INT NOT NULL,

ProductId INT NOT NULL,

Quantity INT NOT NULL,

Price Double NOT NULL,

CONSTRAINT pk\_SalesId PRIMARY KEY (SalesId,ProductId),

CONSTRAINT fk\_SalesId FOREIGN KEY (SalesId) REFERENCES Sales (Id),

CONSTRAINT fk\_ProductId FOREIGN KEY (ProductId) REFERENCES Product (Id));

9/ CREATE TABLE LineItem(

PurchaseOrderId INT NOT NULL,

ProductId INT NOT NULL,

Quantity INT NOT NULL,

Cost Double NOT NULL,

CONSTRAINT pk\_PurchaseOrderId PRIMARY KEY (PurchaseOrderId,ProductId),

CONSTRAINT fk\_PurchaseOrderId FOREIGN KEY (PurchaseOrderId) REFERENCES PurchaseOrder (Id),

CONSTRAINT fk\_ProductId FOREIGN KEY (ProductId) REFERENCES Product (Id));