--CREATE TERRITORIES TABLE

CREATE TABLE Territory (

TerritoryNumber INTEGER PRIMARY KEY AUTOINCREMENT,

TerritoryName VARCHAR(100)

);

--CREATE SALES\_REP TABLE

CREATE TABLE SalesRep

(SalesRepNumber INTEGER PRIMARY KEY AUTOINCREMENT,

SalesRepName VARCHAR(100),

SalesRepAddress VARCHAR(100),

SalesRepCity VARCHAR(100),

SalesRepState VARCHAR(100),

SalesRepZip VARCHAR(100),

TerritoryNumber INTEGER,

SalesRepMTDSales NUMBER(7,2),

SalesRepYTDSales NUMBER(7,2),

SalesRepMTDCommission NUMBER(7,2),

SalesRepYTDCommission NUMBER(7,2),

SalesRepCommissionRate NUMBER(3,2),

CONSTRAINT fk\_Territory\_SalesRep FOREIGN KEY (TerritoryNumber)

REFERENCES Territory(TerritoryNumber)

);

--CREATE CUSTOMER TABLE

CREATE TABLE Customer

(CustomerNumber INTEGER PRIMARY KEY AUTOINCREMENT,

CustomerFirstName VARCHAR(100) NOT NULL,

CustomerLastName VARCHAR(100) NOT NULL,

CustomerAddress VARCHAR(100),

CustomerCity VARCHAR(100),

CustomerState VARCHAR(100),

CustomerZip VARCHAR(100),

CustomerMTDSales NUMBER(7,2),

CustomerYTDSales NUMBER(7,2),

CurrentBalance NUMBER(7,2),

CreditLimit NUMBER(7,2),

CustomerShipFirstName VARCHAR(100),

CustomerShipLastName VARCHAR(100),

CustomerShipAddress VARCHAR(100),

CustomerShipCity VARCHAR(100),

CustomerShipState VARCHAR(100),

CustomerShipZip VARCHAR(100),

SalesRepNumber INTEGER,

CONSTRAINT fk\_Customer\_SalesRep FOREIGN KEY (SalesRepNumber)

REFERENCES SalesRep(SalesRepNumber)

);

--CREATE PARTS TABLE

CREATE TABLE Part

(PartNumber INTEGER PRIMARY KEY AUTOINCREMENT,

PartDescription VARCHAR(100),

PartPrice NUMBER(7,2),

PartMTDSales NUMBER(7,2),

PartYTDSales NUMBER(7,2),

UnitsOnHand INT,

UnitsAllocated INT,

RecorderPoint INT

);

--CREATE VENDOR TABLE

CREATE TABLE Vendor

(VendorNumber INTEGER PRIMARY KEY AUTOINCREMENT,

VendorName VARCHAR(100),

VendorAddress VARCHAR(100),

VendorCity VARCHAR(100),

VendorState VARCHAR(100),

VendorZip VARCHAR(100));

--CREATE ORDER TABLE

CREATE TABLE “Order”

(OrderNumber INTEGER PRIMARY KEY AUTOINCREMENT,

OrderDate DATE,

CustomerNumber INTEGER,

CustomerPONumber INTEGER,

OrderStatus VARCHAR(100),

CONSTRAINT fk\_Order\_Customer FOREIGN KEY (CustomerNumber)

REFERENCES CUSTOMER(CustomerNumber)

);

--CREATE INVOICE TABLE

CREATE TABLE Invoice

(InvoiceNumber INTEGER PRIMARY KEY AUTOINCREMENT,

ShipDate DATE,

ShipCharge NUMBER(7,2),

Tax NUMBER(7,2)

);

--CREATE ORDER\_PART TABLE

CREATE TABLE OrderPart

(OrderPartNumber INTEGER PRIMARY KEY AUTOINCREMENT,

OrderNumber INTEGER,

PartNumber INTEGER,

NumberOrdered NUMBER(7,2),

CONSTRAINT fk\_OP\_Order FOREIGN KEY (OrderNumber)

REFERENCES “Order”(OrderNumber)

CONSTRAINT fk\_OP\_Part FOREIGN KEY (PartNumber)

REFERENCES Part(PartNumber)

);

--CREATE VENDORS-PART TABLE

CREATE TABLE VENDORS\_PARTS

(VID CHAR(6),

PID CHAR(6),

VP\_PRICE DECIMAL(6.2),

MIN\_ORDER\_QUANTITY DECIMAL(6.0),

LEAD\_TIME CHAR(25),

CONSTRAINT fk\_VP\_VENDOR FOREIGN KEY (VID)

REFERENCES PARTS(VID)

CONSTRAINT fk\_VP\_PART FOREIGN KEY (PID)

REFERENCES PARTS(PID)

);

--CREATE PAYMENT TABLE

CREATE TABLE "Payment"

(PaymentNumber INT,

CustomerNumber INT,

PaymentDate DATE,

Amount DECIMAL(6.2),

CONSTRAINT fk\_Payment\_Customer FOREIGN KEY (CustomerNumber)

REFERENCES CUSTOMERS(CustomerNumber)

);

--How to create INVOICE?

--When we wnanna call an invoice up, we need a ORDERS ID and create INVOICE NO automatically.

--1. Get ORDER Information

SELECT OID, DATE, POID, CID, DETAIL

FROM ORDERS

WHERE OID='20320';/\*ORDERID INPUT\*/

--2. Get CUSTOMER information by CID ABOVE

SELECT FirstLineADR, SecondLineADR, CITY, STATE, ZIP\_CODE, SID

FROM CUSTOMERS

WHERE CID='213'

--3. Get SALES\_REPS information by SID ABOVE

SELECT LAST, FIRST, STREET, CITY, STATE, ZIP\_CODE

FROM SALES\_REPS

WHERE SID='12031'

--4. GET PARTS information by OID above

SELECT PID, PART\_QUATITY\_ORDER, PART\_QUATITY\_SHIPPED, PART\_SALES\_PRICE

FROM ORDERS\_PARTS

WHERE OID='20320'

/\*NOTE: one order can include multiple parts, query each part saparately, use for loop to Show\*/

--5. GET Veder information from CID

SELECT

--5.INSERT data to INVOICE table and show INVOICE up