#create automobile database

create automobile bookstore;

use automobile;

#Create Order Table

CREATE TABLE Order (

OrderID INT NOT NULL PRIMARY KEY,

FOREIGN KEY (CustomerID) REFERENCES Customer (CustomerID),

FOREIGN KEY (CustomizationID) REFERENCES Customization (CustomizationID),

OrderDate DATE NOT NULL,

Est\_Deliver\_Date DATE NOT NULL,

Price INT NOT NULL

);

CREATE TABLE Engine(

EngineID INT NOT NULL PRIMARY KEY,

EngineType VARCHAR(20),

Description CARCHAR(50)

);

CREATE TABLE EngineComponents(

EngineID INT NOT NULL,

ComponentID INT NOT NULL,

ProductID SMALLINT NOT NULL,

PRIMARY KEY (EngineID,ComponentId,ProductID),

FOREIGN KEY (EngineID) REFERENCES Engine (EngineID),

FOREIGN KEY (ComponentID) REFERENCES Warehouse (ComponentID));

FOREIGN KEY (ProductID) REFERENCES ProductCatalog (ProductID),

);

CREATE TABLE WorkQueue(

OrderID SMALLINT NOT NULL,

Car\_Serial\_Number INT NOT NULL,

PRIMARY KEY(OrderID, Car\_Serial\_Number),

FOREIGN KEY(OrderID)REFERENCES Order(OrderID),

Production\_Start\_Time DATETIME

);

CREATE TABLE TransmissionModule(

Car\_Serial\_Number INT NOT NULL PRIMARY KEY,

FOREIGN KEY(Car\_Serial\_NumberID)REFERENCES WorkQueue(Car\_Serial\_NumberID),

Start\_Time DATETIME

);

CREATE TABLE TransmissionModuleSensor(

M\_SensorID INT NOT NULL,

Car\_Serial\_Number INT NOT NULL,

PRIMARY KEY (M\_SensorID, Car\_Serial\_Number),

FOREIGN KEY(Car\_Serial\_NumberID)REFERENCES WorkQueue(Car\_Serial\_NumberID),

Measured\_Data VARCHAR(50),

Measurement VARCHAR(50)

);