**MIS 330 Assignment 4**

**Homework submission requirements:**

**Save all SQL statements in ONE .sql file (name the file as “HW4.sql”) and submit HW4.sql to the Blackboard folder.**

1. Based on the following database Relational Schema, write SQL statements to create the database, the tables, and the column constraints in the database.

A diagram of a company

AI-generated content may be incorrect.

VENDOE

| **Column** | **Data Type** |
| --- | --- |
| vendorid | CHAR(2) |
| vendorname | VARCHAR(25) |

CATEGORY

| **Column** | **Data Type** |
| --- | --- |
| categoryid | CHAR(2) |
| categoryname | VARCHAR(25) |

PRODUCT

| **Column** | **Data Type** |  |
| --- | --- | --- |
| productid | CHAR(3) |  |
| productname | VARCHAR(25) |  |
| productprice | NUMERIC(7,2) | default =0, unitprice>=0 |
| vendorid | CHAR(2) |  |
| categoryid | CHAR(2) |  |

REGION

| **Column** | **Data Type** |
| --- | --- |
| regionid | CHAR(1) |
| regionname | VARCHAR(25) |

STORE

| **Column** | **Data Type** |
| --- | --- |
| storeid | VARCHAR(3) |
| storezip | CHAR(5) |
| regionid | CHAR(1) |

CUSTOMER

| **Column** | **Data Type** |
| --- | --- |
| customerid | CHAR(7) |
| customername | VARCHAR(15) |
| customerzip | CHAR(5) |

SALES TRANSACTION

| **Column** | **Data Type** |
| --- | --- |
| tid | VARCHAR(8) |
| customerid | CHAR(7) |
| storeid | VARCHAR(3) |
| tdate | DATE |

INCLUDES

| **Column** | **Data Type** |  |
| --- | --- | --- |
| productid | CHAR(3) |  |
| tid | VARCHAR(8) |  |
| quantity | INT | default =1, quantity >0 |

1. Write SQL statements to insert the data below into the database in Question 1.

A screenshot of a computer

AI-generated content may be incorrect.