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CPSC 2221 – 02 Lab 2

1. **Query for creating tables**
2. **Create Tables Query & Foreign Key**

DROP TABLE IF EXISTS Region;

CREATE TABLE Region(

RegionID char(1) PRIMARY KEY,

RegionName varchar(35) NOT NULL

);

DROP TABLE IF EXISTS Store;

CREATE TABLE Store(

StoreID varchar(10) PRIMARY KEY,

StoreZip char(6) NOT NULL,

RegionID char(1) NOT NULL,

FOREIGN KEY(RegionID) REFERENCES Region(RegionID)

);

DROP TABLE IF EXISTS Vendor;

CREATE TABLE Vendor(

VendorID char(2) PRIMARY KEY,

VendorName varchar(35) NOT NULL

);

DROP TABLE IF EXISTS Category;

CREATE TABLE Category(

CategoryID char(2) PRIMARY KEY,

CategoryName varchar(35) NOT NULL

);

DROP TABLE IF EXISTS Product;

CREATE TABLE Product(

ProductID char(3) PRIMARY KEY,

ProductName varchar(35) NOT NULL,

ProductPrice int NOT NULL,

VendorID char(2) NOT NULL,

CategoryID char(2) NOT NULL,

FOREIGN KEY(VendorID) REFERENCES Vendor(vendorid),

FOREIGN KEY (CategoryID) REFERENCES Category(CategoryID)

);

DROP TABLE IF EXISTS Customer;

CREATE TABLE Customer(

CustomerID char(7) PRIMARY KEY,

CustomerName varchar(35) NOT NULL,

CustomerZip char(6) NOT NULL

);

DROP TABLE IF EXISTS SalesTransaction;

CREATE TABLE SalesTransaction(

TID char(4) PRIMARY KEY,

CustomerID char(7) NOT NULL,

StoreID varchar(10) NOT NULL,

TDate date,

FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID),

FOREIGN KEY (StoreID) REFERENCES Store(StoreID)

);

DROP TABLE IF EXISTS Soldvia;

CREATE TABLE Soldvia(

ProductID char(3) NOT NULL,

TID char(4) NOT NULL,

FOREIGN KEY (ProductID) REFERENCES Product(ProductID),

FOREIGN KEY (TID) REFERENCES SalesTransaction(TID),

NoOfItems int NOT NULL,

PRIMARY KEY (ProductID, TID)

);