CUSTOMERS TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	customers	
	CustomerID	NUMBER
	CustomerName	VARCHAR(25)

Functional Dependencies:

{CustomerID, CustomerName} -> customers

Explanation:

Table satisfies transitive property as all attributes exist and relate to the primary key.

REGISTERED TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	registered	
Foreign Key	customers	
	CustomerID	NUMBER
	CustomerName	VARCHAR(25)
	MemberID	NUMBER
	Email	VARCHAR(25)
	Phone	NUMBER
	Address	VARCHAR(25)

Functional Dependencies:

{CustomerID, CustomerName, MemberID, Email, Phone, Address} -> registered

registered -> {customers}

Explanation:

Table is transitive as the registered tables primary keys are directly dependent on the customer's primary keys, therefore no partial dependencies are required to make the two relate.

TRANSACTIONS TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	transactions	
Foreign Key	customers	
	CustomerID	NUMBER
	CustomerName	VARCHAR(25)
	TransactionID	NUMBER
	Total	NUMBER
	Products	VARCHAR(255)

Functional Dependencies:

{CustomerID, CustomerName, TransactionID, Total, Products} -> transactions

transactions -> {customers}

Explanation:

Table is transitive as the transactions tables primary keys are directly dependent on the customer's primary keys, therefore no partial dependencies are required to make the two relate.

INVENTORY TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	inventory	
	ProductID	NUMBER
	ProductName	VARCHAR(25)
	Quantity	NUMBER
	Price	NUMBER
	Weight	VARCHAR(25)
	Department	VARCHAR(25)

Functional Dependencies:

{ProductID, ProductName, Quantity, Price, Weight, Department} -> inventory

Explanation:

Table is transitive as the inventory table attributes are all included in the primary key. Also, the table is used to store items in the grocery store and is a loan entity in the database.

EMPLOYEE TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	Employee	
	EmployeeID	NUMBER
	EmployeeName	VARCHAR(25)
	SIN	NUMBER
	Schedule_Hours	VARCHAR(25)
	PAYRATE	NUMBER
	Address	VARCHAR(25)

Functional Dependencies:

{EmployeeID, EmployeeName, SIN, Scedule_Hours, PAYRATE, Address} -> Employee

Explanation:

Table is transitive as all attributes are included and relate directly to the primary key of the table.

MANAGER TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	Manager	
Foreign Key	Employee	
	EmployeeID	NUMBER
	Name	VARCHAR(25)

Functional Dependencies:

{EmployeeID, EmployeeName} -> Manager

Manager -> {Employee}

Explanation:

Table is transitive as the managers tables primary keys are directly dependent on the employees primary keys, therefore no partial dependencies are required to make the two relate.

CASHIER TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	Cashier	
Foreign Key	Employee	
	EmployeeID	NUMBER
	Name	VARCHAR(25)

Functional Dependencies:

{EmployeeID, EmployeeName} -> Cashier

Cashier -> {Employee}

Explanation:

Table is transitive as the cashier's tables primary keys are directly dependent on the employees primary keys, therefore no partial dependencies are required to make the two relate.

STOCKER TABLE		
Key Type	**Variable**	**Variable Type**
Primary Key	Stocker	
Foreign Key	Employee	
	EmployeeID	NUMBER
	Name	VARCHAR(25)

Functional Dependencies:

{EmployeeID, EmployeeName} -> Stocker

Stocker -> {Employee}

Explanation:

Table is transitive as the stockers tables primary keys are directly dependent on the employees primary keys, therefore no partial dependencies are required to make the two relate.