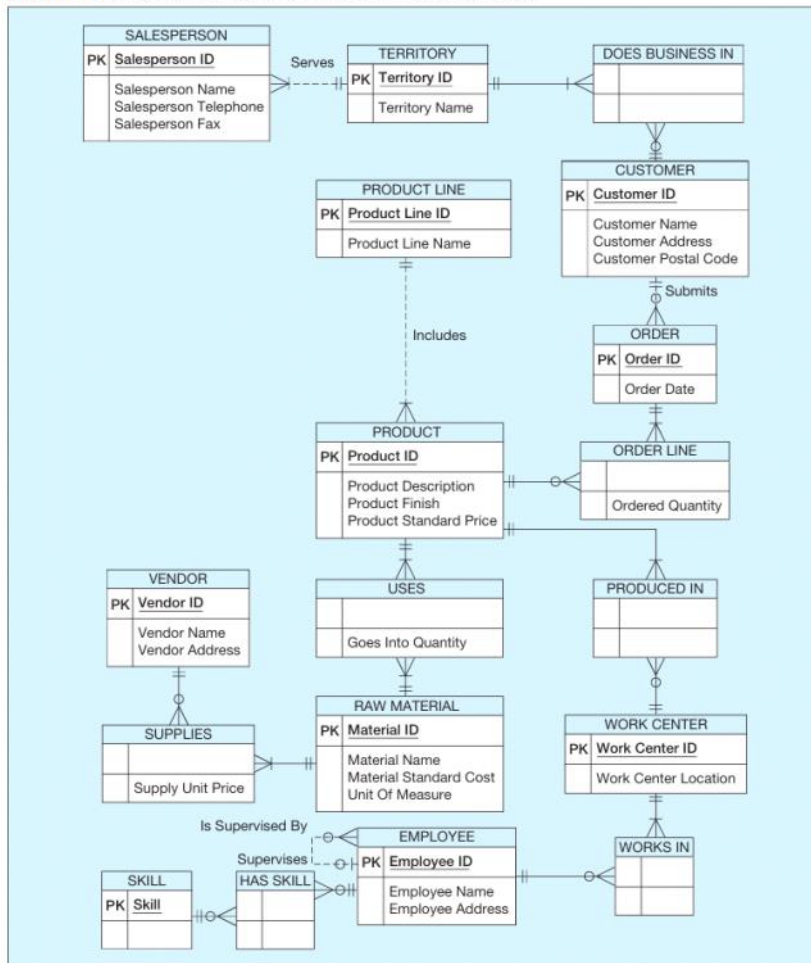


E-R MODELING EXAMPLE: PINE VALLEY FURNITURE COMPANY

E-R Model example:

FIGURE 2-22 Data model for Pine Valley Furniture Company in Microsoft Visio notation



Simple SQL Queries to do certain things based on this E-R Model:

```
SELECT *
FROM Product
WHERE ProductDescription LIKE "Computer Desk%";
```

Typical output for this query is

PRODUCTID	PRODUCTDESCRIPTION	PRODUCTFINISH	PRODUCTSTANDARDPRICE
3	Computer Desk 48"	Oak	375.00
8	Computer Desk 64"	Pine	450.00

Showing Product Information

SELECT * FROM Product says display all attributes of PRODUCT entities. The WHERE clause says to limit the display to only products whose description begins with the phrase Computer Desk.

```
SELECT *
FROM Product
WHERE ProductLineID = 4;
```

Typical output for this query is

PRODUCTID	PRODUCTDESCRIPTION	PRODUCTFINISH	PRODUCTSTANDARDPRICE	PRODUCTONHAND	PRODUCTLINEID
18	Grandfather Clock	Oak	890.0000	0	4
19	Grandfather Clock	Oak	1100.0000	0	4

Showing Product Line Information

The explanation of this SQL query is similar to the explanation of the previous one.

```
SELECT COUNT(Order ID)
FROM OrdersForCustomers
```

Showing Customer Order Status:

```
SELECT COUNT(Order ID)
FROM OrdersForCustomers
WHERE CustomerName = "Value Furniture";
```

```
SELECT COUNT (OrderID)
FROM Order
WHERE CustomerID =
  (SELECT CustomerID
   FROM Customer
   WHERE CustomerName = "Value Furniture");
```

```
COUNT(ORDERID)
4
```

Showing Customer Order Status:
This can be done by creating a user view as
represented by OrdersForCustomers
Vs
<- This one which is without use view

<- the output for both versions

- To read this it basically starts in the inner queries to the outer queries, so in this case we query first the search for a customerID with the name Value furniture and then count all the orders with that customerID.