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TABLE 4-15 Problem 4.5 Tables

Customer				
Customer #	Customer Name	City	State	Credit Limit
1000	Smith	Phoenix	AZ	2500
1001	Jones	St. Louis	MO	1500
1002	Jeffries	Atlanta	GA	4000
1003	Gilkey	Phoenix	AZ	5000
1004	Lankford	Phoenix	AZ	2000
1005	Zeile	Chicago	IL	2000
1006	Pagnozzi	Salt Lake City	UT	3000
1007	Arocha	Chicago	IL	1000
*	0			0

Inventory				
Item #	Description	Unit Cost	Unit Price	Quantity on Hand
1010	Blender	\$14.00	\$29.95	200
1015	Toaster	\$12.00	\$19.95	300
1020	Mixer	\$23.00	\$33.95	250
1025	Television	\$499.00	\$699.95	74
1030	Freezer	\$799.00	\$999.95	32
1035	Refrigerator	\$699.00	\$849.95	25
1040	Radio	\$45.00	\$79.95	100
1045	Clock	\$79.00	\$99.95	300
*	0	\$0.00	\$0.00	0

Sales				
Invoice Number	Date	Salesperson	Customer Number	Amount
101	10/3/2018	Wilson	1000	\$1,549.90
102	10/5/2018	Mahomet	1003	\$299.95
103	10/5/2018	Jackson	1002	\$1,449.80
104	10/15/2018	Drezen	1000	\$799.90
105	10/15/2018	Martinez	1005	\$849.95
106	10/16/2018	Martinez	1007	\$99.95
107	10/29/2018	Mahomet	1002	\$2,209.70
108	11/3/2018	Martinez	1000	\$779.90
*	0		0	\$0.00

Sales-Inventory				
Invoice Number	Item Number	Quantity	Extension	
101	1025	1	\$699.95	
101	1035	1	\$849.95	
102	1045	3	\$299.85	
103	1010	1	\$29.95	
103	1015	1	\$19.95	
103	1025	2	\$1,399.90	
104	1025	1	\$699.95	
104	1045	1	\$99.95	
105	1035	1	\$849.95	
106	1045	1	\$99.95	
107	1030	1	\$999.95	
107	1035	1	\$849.95	
107	1040	2	\$159.90	
107	1045	2	\$199.90	
108	1025	1	\$699.95	
108	1045	1	\$99.95	
*	0	0	0	\$0.00

- What were total sales in October?
 - What was the average amount of a sales transaction?
 - Which salesperson made the largest sale?
 - How many units of each product were sold?
 - Which product was sold most frequently?
- 4.5. Enter the tables in Table 4-15 into a relational DBMS package. Write queries to answer the following questions. *Note:* For some questions, you may have to create two queries—one to calculate a total and the second to answer the question asked.
- Which customers (show their names) made purchases from Martinez?
 - Who has the largest credit limit?
 - How many sales were made in October?
 - What were the item numbers, price, and quantity of each item sold on invoice number 103?
 - How much did each salesperson sell?
 - How many customers live in Arizona?
 - How much credit does each customer still have available?

- 4.9
- h. How much of each item was sold? (Include the description of each item in your answer.)
 - i. Which customers still have more than \$1,000 in available credit?
 - j. For which items are there at least 100 units on hand?