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/*****
/* Name: Divya Pramasani Mohandoss */
/* Class: CS 6070 */
/* Term: Fall 2020 */
/* Lab #: 3 Part 2 */
*****/

use lab3

/* 1) List the name of all products for which an order was placed. */
select Pname from products, orders where products.Pid = orders.Pid;

/* 2) List the name of customers that ordered product 'p07'. */
select Cname from customers join orders on customers.Cid = orders.Cid where orders.Pid =
'p07';

/* 3) List name of agents that placed an order for customer c003 or customer c006 */
select Aname from agents join orders on agents.Aid = orders.Aid where orders.Cid in
('c003', 'c006');

/* 4) List name of customers that ordered product 'p01' through agent 'a01'. */
select Cname from customers where Cid in(select Cid from orders where Pid = 'p01' and Aid
= 'a01');

/* 5) List the name of each customer that placed an order, the pid of what they ordered
*/
use lab3
select Cname, Pid from customers, orders where customers.Cid = orders.Cid;

/* 6) List the name of each customer that placed an order and the product name for each
product they
ordered. */

select Cname, Pname from customers, orders, products where (customers.Cid = orders.Cid)
and (orders.Pid = products.Pid);

/* 7) List the name of each customer and the total amount ordered by the customers */
select Cname, sum(Dollars) as Total_Amount from customers left join orders on
customers.Cid = orders.Cid group by Cname;

/* list the customers that did not place an order. */

select Cname from customers, orders where customers.Cid not in (select Cid from orders);

/* 8) List the name and the sum of dollars for each customer that ordered more than
$1,000.*/

select Cname, sum(Dollars) as Sum_of_Dollars from customers join orders on customers.Cid
= orders.Cid group by Cname having sum(Dollars) > 1000;

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/* 9) List the agent name, product name and customer name for each product ordered. */
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select Aname,Pname,Cname from customers,agents,products,orders where customers.Cid =  
orders.Cid and orders.Aid = agents.Aid and products.Pid = orders.Pid;
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/* 10) What would be the result of the following SQL Statement:
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SELECT *  
From CUSTOMERS, PRODUCTS */
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Displays all the information from customers and products table.

	Cid	Cname	City	Discnt	Pid	Pname	City	Quantity	Price
1	c001	Tiptop	Duluth	10	p01	comb	Dallas	111400	0.5
2	c001	Tiptop	Duluth	10	p02	brush	Newark	203000	0.5
3	c001	Tiptop	Duluth	10	p03	razor	Duluth	150600	1
4	c001	Tiptop	Duluth	10	p04	pen	Duluth	125300	1
5	c001	Tiptop	Duluth	10	p05	pencil	Dallas	221400	1
6	c001	Tiptop	Duluth	10	p06	folder	Dallas	123100	2
7	c001	Tiptop	Duluth	10	p07	case	Newark	100500	1
8	c002	Basics	Dallas	12	p01	comb	Dallas	111400	0.5
9	c002	Basics	Dallas	12	p02	brush	Newark	203000	0.5
10	c002	Basics	Dallas	12	p03	razor	Duluth	150600	1
11	c002	Basics	Dallas	12	p04	pen	Duluth	125300	1
12	c002	Basics	Dallas	12	p05	pencil	Dallas	221400	1
13	c002	Basics	Dallas	12	p06	folder	Dallas	123100	2
14	c002	Basics	Dallas	12	p07	case	Newark	100500	1
15	c003	Allied	Dallas	8	p01	comb	Dallas	111400	0.5
16	c003	Allied	Dallas	8	p02	brush	Newark	203000	0.5
17	c003	Allied	Dallas	8	p03	razor	Duluth	150600	1
18	c003	Allied	Dallas	8	p04	pen	Duluth	125300	1
19	c003	Allied	Dallas	8	p05	pencil	Dallas	221400	1
20	c003	Allied	Dallas	8	p06	folder	Dallas	123100	2
21	c003	Allied	Dallas	8	p07	case	Newark	100500	1
22	c004	ACME	Duluth	8	p01	comb	Dallas	111400	0.5
23	c004	ACME	Duluth	8	p02	brush	Newark	203000	0.5
24	c004	ACME	Duluth	8	p03	razor	Duluth	150600	1
25	c004	ACME	Duluth	8	p04	pen	Duluth	125300	1
26	c004	ACME	Duluth	8	p05	pencil	Dallas	221400	1
27	c004	ACME	Duluth	8	p06	folder	Dallas	123100	2
28	c004	ACME	Duluth	8	p07	case	Newark	100500	1
29	c006	ACME	Kyoto	0	p01	comb	Dallas	111400	0.5
30	c006	ACME	Kyoto	0	p02	brush	Newark	203000	0.5
31	c006	ACME	Kyoto	0	p03	razor	Duluth	150600	1
32	c006	ACME	Kyoto	0	p04	pen	Duluth	125300	1
33	c006	ACME	Kyoto	0	p05	pencil	Dallas	221400	1
34	c006	ACME	Kyoto	0	p06	folder	Dallas	123100	2
35	c006	ACME	Kyoto	0	p07	case	Newark	100500	1