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/*
 * Job: Select Staements of Specialty Imports SQL Queries
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-- Query 1: How many vehicles were sold with full insurance coverage (fire,
-- collision, liability, property)?
SELECT COUNT(*) AS "Number Of Sold Cars"
FROM s6.saleinv
WHERE UPPER(fire) = 'Y'
AND UPPER(collision) = 'Y'
AND UPPER(liability) = 'Y'
AND UPPER(property) = 'Y';

-- Query 2: Show all customer information for people that are interested in
-- buying a car with a sun roof. Arrange the result in descending name order.
-- The result must not have duplicates. (There are three different sun roofs)
SELECT DISTINCT c.*
FROM s6.customer c
JOIN s6.prospect p ON c.cname = p.cname
WHERE UPPER(p.ocode) IN ('S22', 'S23', 'S88')
ORDER BY c.cname DESC;

-- Query 3: List the names and home phone numbers of customers who purchased
-- (not who own) ACURA RSX and who live in Brampton.
SELECT DISTINCT cu.cname, cu.chphone
FROM s6.customer cu
JOIN s6.car ca ON cu.cname = ca.cname
WHERE UPPER(cu.ccity) = 'BRAMPTON'
AND UPPER(ca.make) = 'ACURA'
AND UPPER(ca.model) = 'RSX'
AND ca.purchinv IS NOT NULL;

-- Query 4: What is the average cost of service visits of 2013 Acura make cars?
SELECT ROUND(AVG(s.totalcost), 2) AS "Average Cost"
FROM s6.servinv s
JOIN s6.car c ON s.serial = c.serial
WHERE UPPER(c.make) = 'ACURA'
AND c.cyear = '2013';

-- Query 5: Write the most effective query that produces the list with names
-- and phone numbers of all customers who have purchased (not who owns) a car
-- from us but have never come in for servicing.
SELECT DISTINCT cu.cname, cu.chphone, cu.cbphone
FROM s6.customer cu
JOIN s6.car ca ON cu.cname = ca.cname
WHERE ca.purchinv IS NOT NULL
AND cu.cname NOT IN
( SELECT cname
  FROM s6.servinv);

-- Query 6: Show the customer name, the amount spent, the make and model of the
-- car of the person who has spent the most amount of money during one single
-- service visit.
SELECT s.cname, s.totalcost, c.make, c.model
FROM s6.servinv s
JOIN s6.car c ON s.serial = c.serial
WHERE s.totalcost = (SELECT MAX(totalcost) FROM s6.servinv);

-- Query 7: Print in a formatted mailing label, the name, full address, car make
-- and model of the person(s) who purchased the least expensive car from us
SELECT DISTINCT 'Name: ' || cu.cname || CHR(9) || 'Street: ' || cu.cstreet ||
CHR(9) || 'City: ' || cu.ccity || CHR(9) || 'Province: ' || cu.cprov ||
CHR(9) || 'Postal: ' || cu.cpostal || CHR(9) || 'Car Make: ' ||
ca.make || CHR(9) || 'Car Model: ' || ca.model || CHR(10)
AS "Mail of Customer"
FROM s6.customer cu

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JOIN s6.car ca ON cu.cname = ca.cname
WHERE ca.listprice =
      (SELECT MIN(listprice)
       FROM s6.car
       WHERE purchinv IS NOT NULL
       AND UPPER(purchinv) NOT IN ('NA')); -- Data cleansing may be required
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