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/*
 * Job: Group & Having Clause of Special Imports SQL Queries
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--Question 1
SELECT ROUND(SUM(s.totalcost), 2) "Sum Of Cost", ROUND(AVG(s.totalcost), 2) AS "Average Of
Cost", count(s.servinv) AS "Visits"
FROM s6.servinv s
JOIN s6.car c ON s.serial = c.serial
JOIN s6.saleinv sa ON s.serial = sa.serial
WHERE UPPER(c.make) in ('ACURA','MERCEDEZ','JAGUAR')
AND sa.saledate between '01-JAN-16' AND '30-SEP-16';

--Question 2
SELECT salesman, COUNT(*) AS "Num of Sold Cars"
FROM s6.saleinv
GROUP BY salesman
HAVING COUNT(*) > 20

--Question 3
SELECT DISTINCT s.cname AS CNAME
FROM s6.saleinv s
JOIN s6.invoption i ON i.saleinv = s.saleinv
JOIN s6.options o ON o.ocode = i.ocode
WHERE UPPER(o.odesc) like '%RADIO%'
UNION
SELECT DISTINCT c.cname AS CNAME
FROM s6.car c
JOIN s6.baseoption b ON b.serial = c.serial
JOIN s6.options o ON o.ocode = b.ocode
WHERE UPPER(o.odesc) like '%RADIO%'
AND c.cname IS NOT NULL;

--Question 4
SELECT c.serial, c.make, c.model, o.ocode, o.odesc, o.olist
FROM s6.car c
LEFT JOIN s6.baseoption b ON c.serial = b.serial
LEFT JOIN s6.options o ON b.ocode = o.ocode
WHERE c.cname IS NULL;

--Question 5
SELECT c.cname, SUM(s.totalcost) AS "COST"
FROM s6.customer c
JOIN s6.servinv s ON c.cname = s.cname
WHERE UPPER(c.ccity) = 'OAKVILLE'
GROUP BY c.cname
HAVING SUM(s.totalcost) >= 10000
ORDER BY COST DESC;

--Question 6
SELECT c.cname, c.cstreet, c.ccity, c.cprov, c.cpostal, c.chphone, p.make, p.model, p.cyear,
p.color
FROM s6.customer c
JOIN s6.prospect p ON c.cname = p.cname
JOIN s6.car ca ON p.make = ca.make AND p.model = ca.model AND p.cyear = ca.cyear AND
p.color = ca.color
WHERE ca.cname IS NULL;

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