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--44
select dept_name
from lgdepartment
--45
SELECT prod_sku, prod_descript, prod_type, prod_category, prod_price
FROM lgproduct
WHERE prod_base = 'water' AND prod_category = 'sealer'
--46
SELECT emp_fname, emp_lname, emp_email
FROM lgemployee
WHERE emp_hiredate >= '01-January-2003' AND emp_hiredate <= '31-December-2012'
ORDER BY emp_lname, emp_fname
--47
SELECT emp_fname, emp_lname, emp_phone, emp_title, dept_num
FROM lgemployee
WHERE dept_num = 300 OR emp_title = 'Clerk I'
ORDER by emp_lname, emp_fname

--48
SELECT E.emp_num, E.emp_lname, E.emp_fname, S.sal_from, S.sal_end, S.sal_amount
FROM lgemployee E INNER JOIN lgsalary_history S ON E.emp_num = S.emp_num
WHERE E.emp_num = 83731 OR E.emp_num = 83745 OR E.emp_num = 84039
ORDER BY emp_num, sal_from

--49
SELECT DISTINCT C.cust_fname, C.cust_lname, C.cust_street, C.cust_city, C.cust_zip,
c.cust_state
FROM lgcustomer C INNER JOIN lginvoice I ON C.cust_code=I.cust_code
INNER JOIN lgline J On I.inv_num = J.inv_num
INNER JOIN lgproduct P ON J.prod_sku = P.prod_sku
INNER JOIN lgbrand B ON P.brand_id = B.brand_id
WHERE B.brand_name = 'FORESTERS BEST' AND inv_date >= 'July 15, 2015' AND inv_date <=
'July 30, 2015'
ORDER BY cust_state, cust_lname, cust_fname
--50
SELECT E.emp_num, E.emp_lname, E.emp_email, E.emp_title, D.dept_name
FROM lgemployee E INNER JOIN lgdepartment D ON E.emp_num = D.emp_num
WHERE E.emp_title LIKE '%ASSOCIATE'
ORDER BY D.dept_name, E.emp_title
--51
SELECT B.brand_name, COUNT(P.prod_sku) AS NUMPRODUCTS
FROM lgbrand B INNER JOIN lgproduct P ON B.brand_id = P.brand_id
GROUP BY B.brand_name
--52
SELECT prod_category, COUNT(*) AS NUMPRODUCTS
FROM lgproduct
WHERE prod_base = 'Water'
GROUP BY prod_category
--53
SELECT prod_base, prod_type, COUNT(*) AS NUMPRODUCTS
FROM lgproduct
GROUP BY prod_base, prod_type
ORDER BY prod_base

--54
SELECT brand_id, SUM(prod_qoh) AS totalinventory
from lgproduct
GROUP BY brand_id

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ORDER BY brand_id desc
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SELECT B.brand_id, brand_name, AVG(P.prod_price) AS AVGPRICE
FROM lgbrand B INNER JOIN lgproduct P ON B.brand_id = P.brand_id
GROUP BY B.brand_id, brand_name
ORDER BY brand_name
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SELECT dept_num, MAX(emp_hiredate) AS mostrecent
FROM lgemployee
GROUP BY dept_num
ORDER BY dept_num
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SELECT S.emp_num, emp_fname, emp_lname, MAX(sal_amount) AS largestsalary
FROM lgemployee L INNER JOIN lgsalary_history S ON L.emp_num = S.emp_num
WHERE dept_num = 200
GROUP BY S.emp_num, emp_fname, emp_lname
ORDER BY MAX(sal_amount) desc
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--58
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SELECT C.cust_code, cust_fname, cust_lname, SUM(inv_total) AS totalinvoices
FROM lgcustomer C INNER JOIN lginvoice I ON C.cust_code = I.cust_code
GROUP BY C.cust_code, cust_fname, cust_lname
HAVING SUM(inv_total) > 1500
ORDER BY SUM(inv_total) desc
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--59
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SELECT D.dept_num, dept_name, dept_phone, E.emp_num, emp_lname
FROM lgdepartment D INNER JOIN lgemployee E ON D.emp_num = E.emp_num
ORDER BY dept_name
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SELECT V.vend_id, vend_name, brand_name, COUNT(*) AS numproducts
FROM lgbrand B INNER JOIN lgproduct P INNER JOIN lgsupplies S INNER JOIN lgvendor V ON
    B.brand_id = P.brand_id AND
    prod_sku = S.prod_sku AND
    S.vend_id = V.vend_id
GROUP BY V.vend_id, vend_name, brand_name
ORDER BY vend_name, brand_name
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--61
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SELECT emp_num, emp_lname, emp_fname, SUM(inv_total) AS totalinvoices
FROM lginvoice, lgemployee
WHERE emp_num = emp_id
GROUP BY emp_num, emp_lname, emp_fname
ORDER BY emp_lname, emp_fname
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--62
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SELECT MAX(AVGPRICE) AS largestprice
FROM (SELECT brand_id, ROUND(AVG(prod_price), 2) AS AVGPRICE FROM lgproduct P GROUP BY
BRAND_ID
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--63
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