Nathan Hamilton CSCD 327-01 Lab 5

1. SELECT Title, Retail FROM BOOKS WHERE Retail < (SELECT avg(Retail) FROM BOOKS); HOW TO GET FASTER PIZZA 29.95 THE WOK WAY TO COOK 28.75 REVENGE OF MICKEY 22.00 BODYBUILD IN 10 MINUTES A DAY 30.95 HANDCRANKED COMPUTERS 25.00 SHORTEST POEMS 39.95 **COOKING WITH MUSHROOMS** 19.95 BIG BEAR AND LITTLE DOVE 8.95 HOW TO MANAGE THE MANAGER 31.95

2. SELECT Title, Category, Cost

FROM BOOKS b1

WHERE Cost < (SELECT avg(Cost)

FROM BOOKS b2
GROUP BY Category

HAVING b1.Category = b2.Category);

REVENGE OF MICKEY FAMILY LIFE 14.20 HANDCRANKED COMPUTERS COMPUTER 21.80 COOKING WITH MUSHROOMS COOKING 12.50 BIG BEAR AND LITTLE DOVE CHILDREN 5.32 DATABASE IMPLEMENTATION COMPUTER 31.40

3. SELECT Order_num

FROM ORDERS

WHERE ShipState = (SELECT ShipState

FROM ORDERS

WHERE Order_num = 1014);

1007

1014

4. SELECT Order_num, sum(Quantity * PaidEach)

FROM ORDERITEMS
GROUP BY Order num

Having sum(Quantity * PaidEach) > (SELECT sum(Quantity * PaidEach)

FROM ORDERITEMS

WHERE Order_num = 1002);

1001 117.40

1004 170.90

1007 335.85

1012 166.40

5. SELECT Title

FROM BOOKS

WHERE Category IN (SELECT Category

FROM BOOKS NATURAL JOIN ORDERITEMS NATURAL JOIN ORDERS

WHERE Customer_num = 1007)

AND Title NOT IN (SELECT Title

FROM BOOKS NATURAL JOIN ORDERITEMS NATURAL JOIN ORDERS

WHERE Customer_num = 1007);

HANDCRANKED COMPUTERS

PAINLESS CHILD-REARING

BUILDING A CAR WITH TOOTHPICKS

6. SELECT ShipCity, ShipState

FROM ORDERS

WHERE datediff(ShipDate, OrderDate) = (SELECT max(datediff(ShipDate, OrderDate))

FROM ORDERS);

TRENTON NJ

7. SELECT Customer num

FROM ORDERS NATURAL JOIN ORDERITEMS NATURAL JOIN BOOKS

WHERE Retail = (SELECT min(retail)

FROM BOOKS);

1007

1017

1015

8. SELECT count(DISTINCT Customer_num)

FROM (SELECT Customer num

FROM ORDERS NATURAL JOIN ORDERITEMS NATURAL JOIN BOOKS NATURAL JOIN

BOOKAUTHOR NATURAL JOIN AUTHOR
WHERE Fname = 'JAMES' AND Lname = 'AUSTIN') TEMP;

5

9. SELECT product_name, list_price

FROM products

WHERE list price > (SELECT avg(list price)

FROM products)

ORDER BY list_price DESC;

Gibson SG 2517.00

Gibson Les Paul 1199.00

10. SELECT category_name

FROM categories c1

WHERE NOT EXISTS (SELECT *

FROM categories NATURAL JOIN products c2 WHERE c1.category_id = c2.category_id);

Keyboards

11. SELECT email_address, order_id, order_date

FROM customers NATURAL JOIN orders t1

WHERE order_date = (SELECT min(order_date)

FROM customers NATURAL JOIN orders t2

WHERE t1.customer_id = t2.customer_id);

allan.sherwood@yahoo.com 1 2012-03-28 09:40:28

barryz@gmail.com 2 2012-03-28 11:23:20

christineb@solarone.com 4 2012-03-30 15:22:31

david.goldstein@hotmail.com 5 2012-03-31 05:43:11

erinv@gmail.com 6 2012-03-31 18:37:22

frankwilson@sbcglobal.net 7 2012-04-01 23:11:12

gary_hernandez@yahoo.com 8 2012-04-02 11:26:38

12. SELECT ID, name, salary

FROM instructor

WHERE salary = (SELECT max(salary)

FROM instructor);

22222 Einstein 95000.00

13. SELECT i1.ID, i1.name, i1.salary

FROM instructor i1

WHERE i1.salary = (SELECT max(i2.salary)

FROM instructor i2

WHERE i2.salary < (SELECT max(i3.salary)

FROM instructor i3));

83821 Brandt 92000.00

14. SELECT ID, name, count(DISTINCT course_id)

FROM instructor NATURAL JOIN teaches t1

GROUP BY t1.ID

HAVING count(DISTINCT course_id) >= ALL (SELECT count(DISTINCT course_id)

FROM instructor NAUTAL JOIN teaches t2

GROUP BY t2.ID);

10101 Srinivasan 3