Dustyne Brown

Homework 2-2

> set FEEDBACK 1

> --Problem 1--

> SELECT emp.employee\_id, emp.last\_name ||', '|| emp.first\_name "Name", emp.department\_id,

dept.department\_name, round(emp.salary, -2)"Rounded Salary", mod(emp.salary, 100)"Mod", remainder(emp.salary, 100)"Remainder"

FROM a\_department dept JOIN a\_employee emp

ON (dept.department\_id = emp.department\_id)

WHERE dept.department\_id = 20

OR dept.department\_id = 30

EMPLOYEE\_ID Name DEPARTMENT\_ID DEPARTMENT\_NAME Rounded Salary Mod Remainder

----------- --------------- --- --------------- -------------- ---------- ----------

7369 Smith, John 20 Research 800 25 25

7499 Allen, Kevin 30 Sales 1600 0 0

7521 Ward, Cynthia 30 Sales 1300 50 50

7566 Jones, Terry 20 Research 3000 75 -25

7654 Martin, Kenneth 30 Sales 1300 50 50

7698 Blake, Marion 30 Sales 2900 50 50

7788 Scott, Donald 20 Research 3000 25 25

7844 Turner, Mary 30 Sales 1500 0 0

7876 Adams, Diane 20 Research 1100 25 25

7900 James, Fred 30 Sales 1000 50 -50

7902 Ford, Jennifer 20 Research 3000 25 25

11 rows selected

> --Problem 2--

> SELECT emp.employee\_id, emp.last\_name ||', '|| emp.first\_name "Name", NVL(CAST(emp.commission AS VARCHAR(3)), 'Not A Sales Person')"Commission", j.job\_class

FROM a\_employee emp JOIN a\_job j

ON (emp.job\_id = j.job\_id)

WHERE emp.last\_name BETWEEN 'S' AND 'Zz'

EMPLOYEE\_ID Name Commission JOB\_CLASS

----------- --------------- ------------------ -----------

7369 Smith, John Not A Sales Person Clerk

7521 Ward, Cynthia .05 Salesperson

7557 Shaw, Karen .12 Salesperson

7676 Sommers, Denise Not A Sales Person Staff

7788 Scott, Donald Not A Sales Person Analyst

7789 West, Livia .1 Salesperson

7844 Turner, Mary 0 Salesperson

7 rows selected

> --Problem 3--

> SELECT emp.employee\_id, emp.last\_name ||', '|| emp.first\_name "Name", loc.regional\_group, TO\_CHAR(emp.hire\_date, 'DAY, MONTH DD, YYYY') AS "Hire Date"

FROM a\_employee emp JOIN a\_department dept

ON (emp.department\_id = dept.department\_id)

JOIN a\_location loc

ON (dept.location\_id = loc.location\_id)

WHERE LENGTH(emp.last\_name) = 7

EMPLOYEE\_ID Name REGIONAL\_GROUP Hire Date

----------- --------------- -------------- -----------------------------

7569 Alberts, Chris New York WEDNESDAY, APRIL 06, 2005

7676 Sommers, Denise Chicago TUESDAY , APRIL 19, 2005

7916 Roberts, Grace New York THURSDAY , JANUARY 04, 2007

7919 Douglas, Michael New York THURSDAY , JANUARY 04, 2007

4 rows selected

> --Problem 4--

> SELECT TO\_CHAR(SYSDATE+60, 'YYYY, MM, DD') AS "Due Date One", TO\_CHAR(SYSDATE+60, 'Month, DAY, YEAR') AS "Due Date Two", TO\_CHAR(SYSDATE+60, 'DDD Month dd, YYYY') AS "Due Date Three"

FROM dual

Due Date One Due Date Two Due Date Three

------------ -------------------------------------- ----------------------

2013, 04, 18 April , THURSDAY , TWENTY THIRTEEN 108 April 18, 2013

1 rows selected

> --Problem 5--

> SELECT item.item\_id, item.product\_id, prod.product\_name, item.actual\_price, item.quantity,

CASE WHEN item.actual\_price < 20 THEN ROUND(item.actual\_price, 2)

WHEN item.actual\_price < 25 THEN ROUND(item.actual\_price, 0)

else ROUND(item.actual\_price, -1)

end price

FROM a\_product prod JOIN a\_item item

ON (prod.product\_id = item.product\_id)

JOIN a\_sales\_order sales

ON (sales.order\_id = item.order\_id)

WHERE sales.ship\_date BETWEEN '30-SEP-10' AND '01-NOV-10'

ITEM\_ID PRODUCT\_ID PRODUCT\_NAME ACTUAL\_PRICE QUANTITY PRICE

---------- ---------- ------------------- ------------ ---------- ----------

1 103130 Nuke-O-Lator 5000 3.77 80 3.77

2 103131 Nuke-O-Lator 1000 4.04 70 4.04

3 103140 60 Gauge Wire Line 20 15 20

4 103141 Jerro Grid Dynamo 20 5 20

1 103140 60 Gauge Wire Line 19 25 19

1 103120 Grid Timer 22.5 50 23

2 103121 Nuke-O-Lator 6000 30 20 30

3 103130 Nuke-O-Lator 5000 3.6 120 3.6

4 103131 Nuke-O-Lator 1000 3.9 140 3.9

5 103140 60 Gauge Wire Line 19 40 19

6 103141 Jerro Grid Dynamo 20 10 20

11 rows selected

> --Problem 6--

> SELECT customer\_id, name, REPLACE(address, 'Rd.', 'Road') AS Address,

city ||', '|| CASE WHEN state = 'CA' THEN REPLACE(state, 'CA', 'California')

WHEN state = 'MN' THEN REPLACE(state, 'MN', 'Minnesota')

ELSE REPLACE(state, '%%', 'Error')

END "Customer Location"

FROM a\_customer

WHERE state = 'CA' OR state = 'MN'

CUSTOMER\_ID NAME ADDRESS Customer Location

----------- ------------------------- ------------- -------------------------

100 Thermo Power 345 Viewridge Belmont, California

101 Timelines 490 Boli Road Redwood City, California

102 Vollyrite 9722 Hamilton Burlingame, California

103 Just Electronics Hillview Mall Burlingame, California

104 Every Mountain 574 Surry Cupertino, California

105 JB Electronics 3476 El Paseo Santa Clara, California

106 Shape Up 908 Sequoia Palo Alto, California

107 Womens Power Valco Village Sunnyvale, California

108 North Woods Wiring Center 98 Lone Pine Way Hibbing, Minnesota

9 rows selected

> --Problem 7--

> SELECT SYSDATE "Current Date", ROUND(TO\_DATE('12-25-2013', 'mm-dd-yyyy') - SYSDATE, 0) "Days Till Christmas 2013"

FROM dual

Current Date Days Till Christmas 2013

------------ ------------------------

17-FEB-13 311

1 rows selected

> --Problem 8--

> SELECT LPAD((SUBSTR(emp.first\_name, 1, 1)||''|| emp.last\_name), 15, '\*') "Sales Rep", cust.name "Customer", LPAD(SUBSTR(phone\_number, 1, 3)||'-'||SUBSTR(phone\_number, 4, 9), 13, '(713)') "Phone Number"

FROM a\_employee emp JOIN a\_customer cust

ON ( cust.salesperson\_id = emp.employee\_id)

WHERE cust.city LIKE 'Houston'

Sales Rep Customer Phone Number

--------------- --------------------------------------------- -------------

\*\*\*\*\*\*\*\*KMartin Bob'S Family Solar (713)555-8015

\*\*\*\*\*\*\*\*\*\*LWest Wheeler Dynamics (713)555-4139

2 rows selected

> --Problem 9--

> SELECT prod.product\_id, prod.product\_name "Product Name", cust.customer\_id, cust.name

FROM a\_product prod

JOIN a\_item item

ON (prod.product\_id = item.product\_id)

JOIN a\_sales\_order sales

ON (item.order\_id = sales.order\_id)

JOIN a\_customer cust

ON (sales.customer\_id = cust.customer\_id)

WHERE (INSTR(prod.product\_name, 'Transducer') > 0)

AND EXTRACT (MONTH FROM sales.order\_date) >= 4

AND EXTRACT (MONTH FROM sales.order\_date) <= 6

PRODUCT\_ID Product Name CUSTOMER\_ID NAME

---------- ------------------ ------------ ----------------

100861 Aft Transducer 103 Just Electronics

100860 Nts Transducer 106 Shape Up

100870 Sft Transducer 55 102 Vollyrite

100861 Aft Transducer 106 Shape Up

100860 Nts Transducer 106 Shape Up

100860 Nts Transducer 102 Vollyrite

6 rows selected

> --Problem 10--

> SELECT emp.employee\_id, emp.last\_name ||', '|| emp.first\_name “Name”, dept.department\_name,

CASE WHEN emp.salary > '2500' THEN NULL

ELSE emp.salary

END "Salary"

FROM a\_employee emp JOIN a\_department dept

ON (emp.department\_id = dept.department\_id)

WHERE dept.department\_name LIKE 'Research'

--AND LNNVL(emp.salary > 2500);

EMPLOYEE\_ID Name DEPARTMENT\_NAME Salary

----------- ----------------- --------------- ----------

7369 Smith, John Research 825

7566 Jones, Terry Research

7569 Alberts, Chris Research

7788 Scott, Donald Research

7799 Fisher, Matthew Research

7876 Adams, Diane Research 1125

7902 Ford, Jennifer Research

7916 Roberts, Grace Research

7919 Douglas, Michael Research 800

9 rows selected