SQL> set echo on;

SQL> -- Mihaela McReynolds

SQL> -- CITC 2340 Extra Credit

SQL>

SQL> -- 1. In class the other day Oracle SQL string functions, trying to display the customer name from the

SQL> -- demo\_customer table so that it is in title case, but if it contains the word ‘and’, the ‘and’ should

SQL> -- display in all lowercase.

SQL> -- The customer we were focusing on was “Northwood Health and Fitness Supply Center”, but the

SQL> -- query should work correctly for all customer names in the table.

SQL> -- Use a combination of string functions to make this work (or try some regular expression

SQL> -- functions from Chapter 4 if you feel motivated). (up-to 5 pts xcredit

SQL> -- This only works on the example

SQL> SELECT (SELECT((INITCAP(SUBSTR(name,1,INSTR(LOWER(name),'and')-1)))) from demo\_customer

2 WHERE LOWER(name) LIKE '%and%') || 'and ' || (SELECT(SUBSTR(INITCAP(name), -13, INSTR(LOWER(name), 'and')))

3 from demo\_customer WHERE LOWER(name) LIKE '%and%') as "Cheating?" from demo\_customer WHERE LOWER(name) LIKE '%and%';

Cheating?

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North Woods Health and Supply Center

SQL>

SQL> -- I tried, but I can't figure out the length of the string from the end

SQL> SELECT (SELECT((INITCAP(SUBSTR(name,1,INSTR(LOWER(name),'and')-1)))) FROM demo\_customer

2 WHERE LOWER(name) LIKE '%and%') || 'and ' || (SELECT(SUBSTR(INITCAP(name), (0 - (LENGTH((SELECT (SUBSTR(INITCAP(name), -1))

3 FROM demo\_customer WHERE LOWER(name) LIKE '%and%')))), INSTR(LOWER(name), 'and')))

4 FROM demo\_customer WHERE LOWER(name) LIKE '%and%') as "I Tried" FROM demo\_customer WHERE LOWER(name) LIKE '%and%';

I Tried

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North Woods Health and r

SQL>

SQL> --2. We are trying to use the To\_Char function to get numeric values to display as dollar-sign leftjustified with value right justified:

SQL> -- $99,999.00

SQL> -- $ 9,999.00

SQL> -- $ 999.00

SQL>

SQL> -- Hard-coded number 10 for width; works fine even with a 5-digit sal

SQL> SELECT ename, TO\_CHAR( '$') || TO\_CHAR(sal, ( LPAD ('999,999.00',10))) salary FROM demo\_emp;

ENAME SALARY

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KING $ 5,000.00

BLAKE $ 2,850.00

CLARK $ 2,450.00

JONES $ 2,975.00

MARTIN $ 1,250.00

ALLEN $ 1,600.00

TURNER $ 1,500.00

JAMES $ 950.00

WARD $ 1,250.00

FORD $ 3,000.00

SMITH $ 800.00

SCOTT $ 3,000.00

ADAMS $ 1,100.00

MILLER $ 1,300.00

14 rows selected.

SQL> -- Attempt to use length of the greatest sal to set width - drops a zero on 3-digit sal -- why?

SQL> SELECT ename, TO\_CHAR( '$') || TO\_CHAR(sal, ( LPAD ('999,999.00', ((LENGTH ((GREATEST(sal) )))+6)))) salary FROM demo\_emp;

ENAME SALARY

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KING $ 5,000.00

BLAKE $ 2,850.00

CLARK $ 2,450.00

JONES $ 2,975.00

MARTIN $ 1,250.00

ALLEN $ 1,600.00

TURNER $ 1,500.00

JAMES $ 950.0

WARD $ 1,250.00

FORD $ 3,000.00

SMITH $ 800.0

SCOTT $ 3,000.00

ADAMS $ 1,100.00

MILLER $ 1,300.00

14 rows selected.