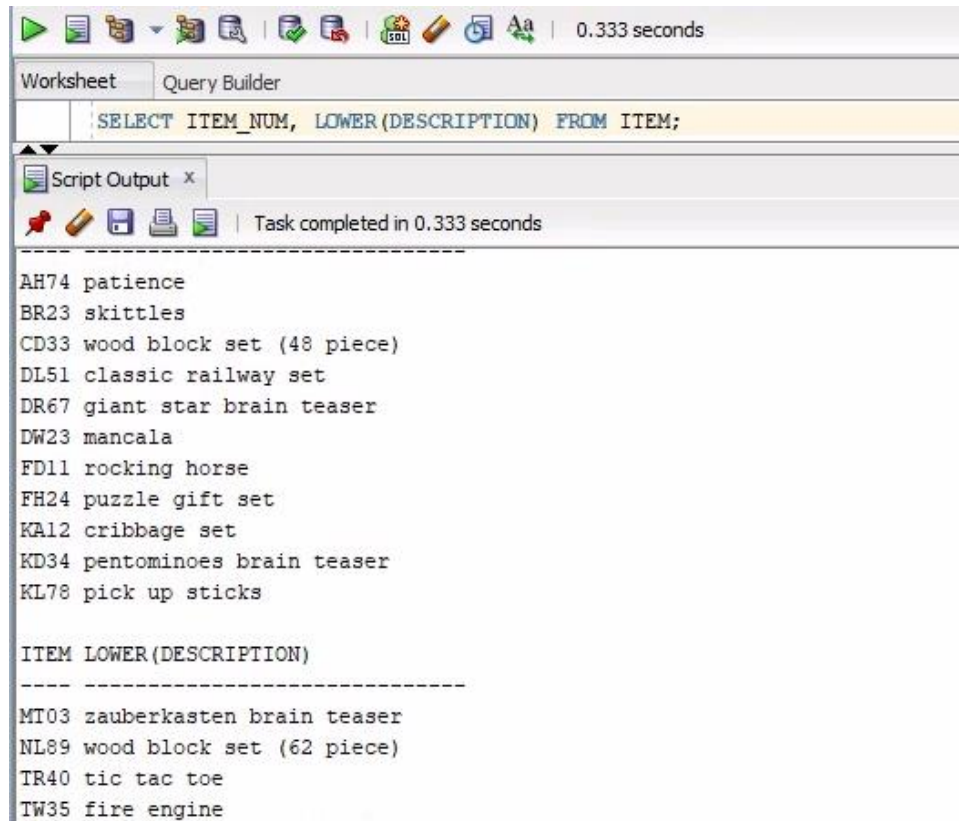Rabin Thapa
Assignment 08

Exercises
Use SQL commands to finish the questions. Please show BOTH SQL commands and results in your answers. For questions do not need execution. You DO NOT have to show the SQL running results.

1: List the item number and description for all items. The descriptions should appear in lowercase letters
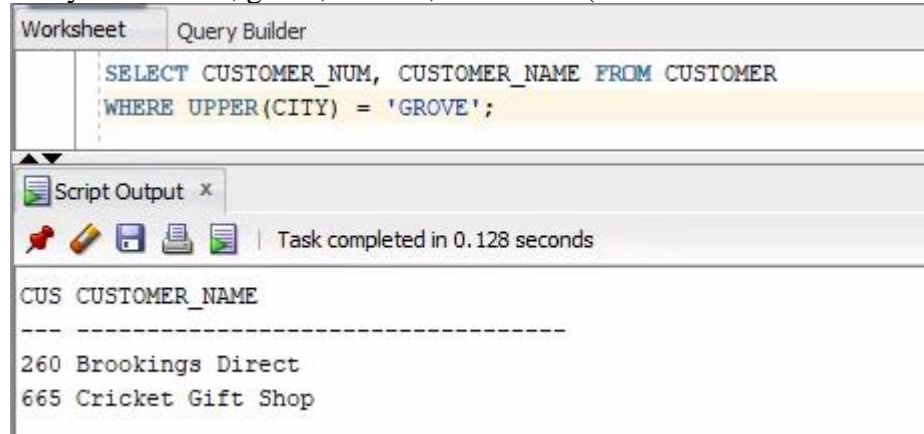
```
▷ 📄 📑 ▾ 📑 📑 | 📑 📑 | 📑 ✎ 📑 🄰🄰 | 0.333 seconds
Worksheet    Query Builder
    SELECT ITEM_NUM, LOWER(DESCRIPTION) FROM ITEM;
▲▼
📄 Script Output ✕
📌 ✎ 📄 📄 📄 | Task completed in 0.333 seconds
---- ------------------------------
AH74 patience
BR23 skittles
CD33 wood block set (48 piece)
DL51 classic railway set
DR67 giant star brain teaser
DW23 mancala
FD11 rocking horse
FH24 puzzle gift set
KA12 cribbage set
KD34 pentominoes brain teaser
KL78 pick up sticks

ITEM LOWER(DESCRIPTION)
---- ------------------------------
MT03 zauberkasten brain teaser
NL89 wood block set (62 piece)
TR40 tic tac toe
TW35 fire engine
```

2: List the customer number and name for all customers located in the city of Grove. Your query should ignore case. For example, a customer with the city Grove should be included as should customers whose city is GROVE, grove, GrOvE, and so on. (Hint: user LOWER or UPPER)
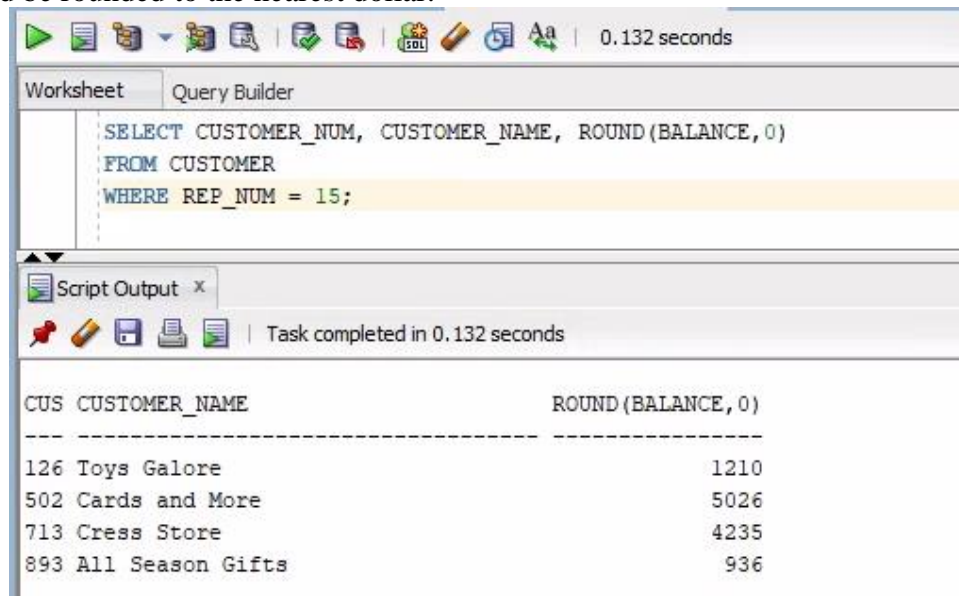
```
Worksheet    Query Builder
    SELECT CUSTOMER_NUM, CUSTOMER_NAME FROM CUSTOMER
    WHERE UPPER(CITY) = 'GROVE';
▲▼
📄 Script Output ✕
📌 ✎ 📄 📄 📄 | Task completed in 0.128 seconds
CUS CUSTOMER_NAME
--- -----------------------------------
260 Brookings Direct
665 Cricket Gift Shop
```

3: List the customer number, name, and balance for all customers served by representative 15. The balance should be rounded to the nearest dollar.
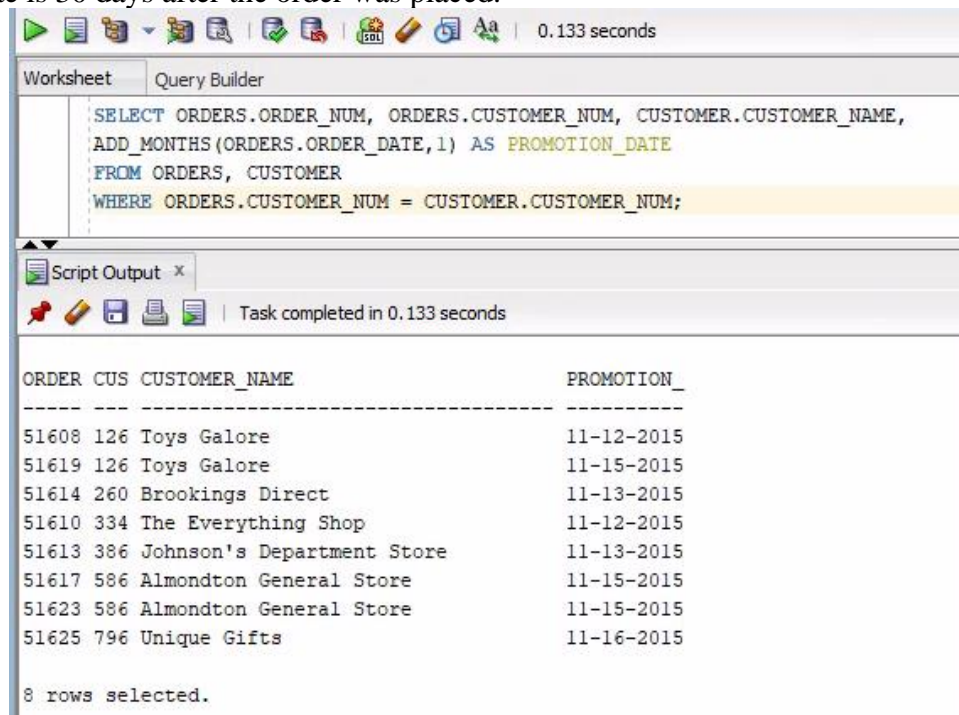
```
                                        0.132 seconds
Worksheet    Query Builder
    SELECT CUSTOMER_NUM, CUSTOMER_NAME, ROUND(BALANCE,0)
    FROM CUSTOMER
    WHERE REP_NUM = 15;
```

```
Script Output  x
                Task completed in 0.132 seconds

CUS CUSTOMER_NAME                          ROUND(BALANCE,0)
--- ----------------------------------    ----------------
126 Toys Galore                                       1210
502 Cards and More                                    5026
713 Cress Store                                       4235
893 All Season Gifts                                   936
```

4: TAL Distributor is running a promotion that is valid for up to 30 days after an order is placed. List the order number, customer number, customer name, and the promotion date for each order. The promotion date is 30 days after the order was placed.

```
                                        0.133 seconds
Worksheet    Query Builder
    SELECT ORDERS.ORDER_NUM, ORDERS.CUSTOMER_NUM, CUSTOMER.CUSTOMER_NAME,
    ADD_MONTHS(ORDERS.ORDER_DATE,1) AS PROMOTION_DATE
    FROM ORDERS, CUSTOMER
    WHERE ORDERS.CUSTOMER_NUM = CUSTOMER.CUSTOMER_NUM;
```
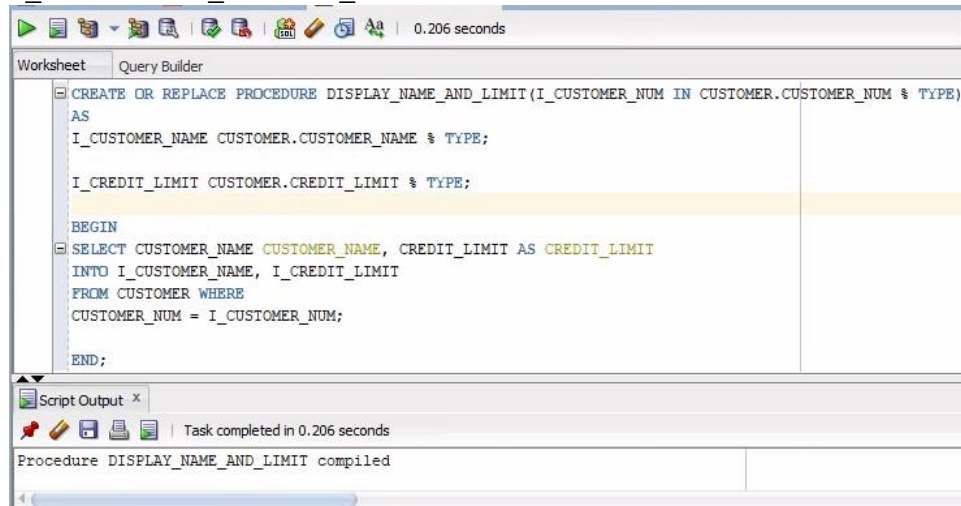
```
Script Output  x
                Task completed in 0.133 seconds

ORDER CUS CUSTOMER_NAME                      PROMOTION_
----- --- ----------------------------------  ----------
51608 126 Toys Galore                          11-12-2015
51619 126 Toys Galore                          11-15-2015
51614 260 Brookings Direct                     11-13-2015
51610 334 The Everything Shop                  11-12-2015
51613 386 Johnson's Department Store           11-13-2015
51617 586 Almondton General Store              11-15-2015
51623 586 Almondton General Store              11-15-2015
51625 796 Unique Gifts                         11-16-2015

8 rows selected.
```

5: Write PL/SQL procedures to accomplish the following tasks: Obtain the name and credit limit of the customer whose number currently is stored in I_CUSTOMER_NUM. Place these values in the variables I_CUSTOMER_NAME and I_CREDIT_LIMIT, respectively. Output the contents of I_CUSTOMER_NAME and I_CREDIT_LIMIT.

```
CREATE OR REPLACE PROCEDURE DISPLAY_NAME_AND_LIMIT(I_CUSTOMER_NUM IN CUSTOMER.CUSTOMER_NUM % TYPE)
AS
I_CUSTOMER_NAME CUSTOMER.CUSTOMER_NAME % TYPE;

I_CREDIT_LIMIT CUSTOMER.CREDIT_LIMIT % TYPE;

BEGIN
SELECT CUSTOMER_NAME CUSTOMER_NAME, CREDIT_LIMIT AS CREDIT_LIMIT
INTO I_CUSTOMER_NAME, I_CREDIT_LIMIT
FROM CUSTOMER WHERE
CUSTOMER_NUM = I_CUSTOMER_NUM;

END;
```

Script Output ×

Task completed in 0.206 seconds

```
Procedure DISPLAY_NAME_AND_LIMIT compiled
```