*Edson Sanchez* ITI-3400 Database Programming

**2-1**

SET SERVEROUTPUT ON;

DECLARE

lv\_test\_date DATE := '10-DEC-2012';

lv\_test\_num NUMBER(3) := 10;

lv\_test\_text VARCHAR2(10) := 'Sanchez';

BEGIN

dbms\_output.put\_line(lv\_test\_date);

dbms\_output.put\_line(lv\_test\_num);

dbms\_output.put\_line(lv\_test\_text);

END;

10-DEC-12

10

Sanchez

PL/SQL procedure successfully completed.

**2-3**

SET SERVEROUTPUT ON;

DECLARE

total\_purchases NUMBER(5,2) := 300;

BEGIN

dbms\_output.put\_line('Customer has spent $'

|| total\_purchases

|| '.');

IF

total\_purchases > 200

THEN

dbms\_output.put\_line('The customer is rated as High.');

ELSIF total\_purchases > 100 THEN

dbms\_output.put\_line('The customer is rated as Mid.');

ELSIF total\_purchases <= 100 THEN

dbms\_output.put\_line('The customer is rated as Low.');

END IF;

END;

Customer has spent $100.

The customer is rated as Low.

PL/SQL procedure successfully completed.

Customer has spent $150.

The customer is rated as Mid.

PL/SQL procedure successfully completed.

Customer has spent $300.

The customer is rated as High.

PL/SQL procedure successfully completed.

**2-4**

SET SERVEROUTPUT ON;

DECLARE

total\_purchases NUMBER(5,2) := 205;

c\_rating VARCHAR2(5);

BEGIN

CASE

WHEN total\_purchases > 200 THEN

c\_rating := 'High';

WHEN total\_purchases > 100 THEN

c\_rating := 'Mid';

WHEN total\_purchases <= 100 THEN

c\_rating := 'Low';

END CASE;

dbms\_output.put\_line('The customer has spent $'

|| total\_purchases

|| ', and is rated as '

|| c\_rating

|| '.');

END;

The customer has spent $100, and is rated as Low.

PL/SQL procedure successfully completed.

The customer has spent $199, and is rated as Mid.

PL/SQL procedure successfully completed.

The customer has spent $205, and is rated as High.

PL/SQL procedure successfully completed.

**2-6**

SET SERVEROUTPUT ON;

DECLARE

price NUMBER(5,2) := 17;

spend NUMBER(5,2) := 100;

budget NUMBER(5,2);

quantity NUMBER(5,2) := 0;

BEGIN

budget:= spend;

WHILE spend >= price LOOP

spend := spend - price;

quantity := quantity + 1;

END LOOP;

dbms\_output.put\_line('I can buy '

|| quantity

|| ' items with $'

|| budget

|| ' dollars.');

END;

I can buy 5 items with $100 dollars.

PL/SQL procedure successfully completed.

**2-8**

SET SERVEROUTPUT ON;

DECLARE

member CHAR(1) := 'Y';

num\_items NUMBER(5) := 4;

shipping NUMBER(5,2);

BEGIN

IF

num\_items <= 3

THEN

shipping := 5;

IF

member = 'Y'

THEN

shipping := 3;

END IF;

ELSIF num\_items BETWEEN 4 AND 6 THEN

shipping := 7.5;

IF

member = 'Y'

THEN

shipping := 5;

END IF;

ELSIF num\_items BETWEEN 7 AND 10 THEN

shipping := 10;

IF

member = 'Y'

THEN

shipping := 7;

END IF;

ELSIF num\_items > 10 THEN

shipping := 12;

IF

member = 'Y'

THEN

shipping := 9;

END IF;

END IF;

dbms\_output.put\_line(num\_items

|| ' number of items will cost '

|| shipping

|| ' dollars.');

END;

7 number of items will cost 7 dollars.

PL/SQL procedure successfully completed.

7 number of items will cost 10 dollars.

PL/SQL procedure successfully completed.

4 number of items will cost 7.5 dollars.

PL/SQL procedure successfully completed.

4 number of items will cost 5 dollars.

PL/SQL procedure successfully completed.