SQL\*Plus: Release 10.2.0.3.0 - Production on Thu Apr 27 13:54:46 2023

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Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production

With the Partitioning, OLAP and Data Mining options

SQL> DECLARE

2 a integer := 30;

3 b integer := 40;

4 c integer;

5 f real;

6 BEGIN

7 c := a + b;

8 dbms\_output.put\_line('Value of c: ' || c);

9 f := 100.0/3.0;

10 dbms\_output.put\_line('Value of f: ' || f);

11 END;

12 /

Value of c: 70

Value of f: 33.33333333333333333333333333333333333333

PL/SQL procedure successfully completed.

SQL> DECLARE

2 a integer := 30;

3 b integer := 40;

4 c integer;

5 f real;

6 BEGIN

7 c := a + b;

8 dbms\_output.put\_line('Value of c: ' || c);

9 f := 100.0/3.0;

10 dbms\_output.put\_line('Value of f: ' || f);

11 END;

12 /

Value of c: 70

Value of f: 33.33333333333333333333333333333333333333

PL/SQL procedure successfully completed.

SQL> DECLARE

2 a integer := 60;

3 b integer := 70;

4 c integer;

5 f real;

6 BEGIN

7 c := a + b;

8 dbms\_output.put\_line('Value of c: ' || c);

9 f := 100.0/3.0;

10 dbms\_output.put\_line('Value of f: ' || f);

11 END;

12 /

Value of c: 130

Value of f: 33.33333333333333333333333333333333333333

PL/SQL procedure successfully completed.

SQL>

SQL> DECLARE

2 a integer := 60;

3 b integer := 70;

4 c integer;

5 f real;

6 BEGIN

7 c := a + b;

8 dbms\_output.put\_line('Value of c: ' || c);

9 f := 100.0/2.0;

10 dbms\_output.put\_line('Value of f: ' || f);

11 END;

12 /

Value of c: 130

Value of f: 50

PL/SQL procedure successfully completed.

SQL> DECLARE

2 -- Global variables

3 num1 number := 95;

4 num2 number := 85;

5 BEGIN

6 dbms\_output.put\_line('Outer Variable num1: ' || num1);

7 dbms\_output.put\_line('Outer Variable num2: ' || num2);

8 DECLARE

9 -- Local variables

10 num1 number := 195;

11 num2 number := 185;

12 BEGIN

13 dbms\_output.put\_line('Inner Variable num1: ' || num1);

14 dbms\_output.put\_line('Inner Variable num2: ' || num2);

15 END;

16 END;

17 /

Outer Variable num1: 95

Outer Variable num2: 85

Inner Variable num1: 195

Inner Variable num2: 185

PL/SQL procedure successfully completed.

SQL> DECLARE

2 -- Global variables

3 num1 number := 55;

4 num2 number := 65;

5 BEGIN

6 dbms\_output.put\_line('Outer Variable num1: ' || num1);

7 dbms\_output.put\_line('Outer Variable num2: ' || num2);

8 DECLARE

9 -- Local variables

10 num1 number := 95;

11 num2 number := 85;

12 BEGIN

13 dbms\_output.put\_line('Inner Variable num1: ' || num1);

14 dbms\_output.put\_line('Inner Variable num2: ' || num2);

15 END;

16 END;

17 /

Outer Variable num1: 55

Outer Variable num2: 65

Inner Variable num1: 95

Inner Variable num2: 85

PL/SQL procedure successfully completed.

SQL> DECLARE

2 a number(3) := 400;

3 BEGIN

4 -- check the boolean condition using if statement

5 IF( a < 20 ) THEN

6 -- if condition is true then print the following

7 dbms\_output.put\_line('a is less than 20 ' );

8 ELSE

9 dbms\_output.put\_line('a is not less than 20 ' );

10 END IF;

11 dbms\_output.put\_line('value of a is : ' || a);

12 END;

13

14 /

a is not less than 20

value of a is : 400

PL/SQL procedure successfully completed.

SQL> DECLARE

2 grade char(1) := 'B';

3 BEGIN

4 CASE grade

5 when 'A' then dbms\_output.put\_line('Excellent');

6 when 'B' then dbms\_output.put\_line('Very good');

7 when 'C' then dbms\_output.put\_line('Good');

8 when 'D' then dbms\_output.put\_line('Average');

9 when 'F' then dbms\_output.put\_line('Passed with Grace');

10 else dbms\_output.put\_line('Failed');

11 END CASE;

12 END;

13 /

Very good

PL/SQL procedure successfully completed.

SQL> DECLARE

2 i NUMBER := 100;

3 BEGIN

4 LOOP

5 EXIT WHEN i>120;

6 DBMS\_OUTPUT.PUT\_LINE(i);

7 i := i+1;

8 END LOOP;

9 END;

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PL/SQL procedure successfully completed.