Title

P03. Initialize local variables when declaring them.

Description

Initializing local variables when declaring them to avoid unexpected behavior is a best practice in programming.

You must initialize variables with the constant and NOT NULL constraints.

You cannot assign a value to variables with the constant constraints in the executable section.

Example

```
 1  set SERVEROUTPUT on
 2  -- declare variables
 3  declare
 4   -- a variable not initialized
 5      v_cust_name varchar2(100);
 6   -- Init a constant. Cannot be modified in the executable section.
 7      v_tax_rate  constant number := 0.05;
 8   -- Init a variable must have a value
 9      v_payment   number not null := 0;
10  begin
11      null;
12      -- Assign a value to a variable with no constant constraint/
13      v_cust_name := 'John Doe';
14      -- Assign a value to a variable with the NOT NULL constraint.
15      v_payment  := 100;
16      dbms_output.put_line('Customer Name: ' || v_cust_name || ' Payment:
            ' || v_payment);
17  end;
18  /
```