Blake Bryant

Professor Ron Little

CS275 PL/SQL

April 29, 2020

CS275 Direct Assignment 7

**Scripts:**

-- PROBLEM 1

drop PROCEDURE CALC\_COMMISSION;

CREATE OR REPLACE PROCEDURE CALC\_COMMISSION

(SALES\_AMOUNT\_IN IN NUMBER,

COMMISSION OUT NUMBER)

IS

NO\_SALES EXCEPTION;

NEGATIVE\_SALES EXCEPTION;

NULL\_SALES EXCEPTION;

BEGIN

IF SALES\_AMOUNT\_IN = 0 THEN

COMMISSION := 0;

RAISE NO\_SALES;

ELSIF SALES\_AMOUNT\_IN < 0 THEN

COMMISSION := 0;

RAISE NEGATIVE\_SALES;

ELSIF SALES\_AMOUNT\_IN = NULL THEN

COMMISSION := 0;

RAISE NULL\_SALES;

ELSE

COMMISSION := SALES\_AMOUNT\_IN \* 0.1;

END IF;

EXCEPTION

WHEN NO\_SALES THEN

DBMS\_OUTPUT.PUT\_LINE('SALES VALUE WAS EQUIVALENT TO ZERO');

WHEN NEGATIVE\_SALES THEN

DBMS\_OUTPUT.PUT\_LINE('SALES VALUE WAS NEGATIVE');

WHEN NULL\_SALES THEN

DBMS\_OUTPUT.PUT\_LINE('SALES VALUE WAS NULL');

END;

-- TESTING

set feedback on;

set serveroutput on;

DECLARE

NULL\_SALES NUMBER;

NEGATIVE\_SALES NUMBER := -1;

ZERO\_SALES NUMBER := 0;

ZERO\_RESULT NUMBER;

NEGATIVE\_RESULT NUMBER;

NULL\_RESULT NUMBER;

BEGIN

CALC\_COMMISSION(NEGATIVE\_SALES, NEGATIVE\_RESULT);

CALC\_COMMISSION(ZERO\_SALES, ZERO\_RESULT);

CALC\_COMMISSION(NULL\_SALES, NULL\_RESULT);

DBMS\_OUTPUT.PUT\_LINE('RESULT FROM CALCULATING NEGATIVE COMMISSION WAS ' || NEGATIVE\_RESULT);

DBMS\_OUTPUT.PUT\_LINE('RESULT FROM CALCULATING ZERO COMMISSION WAS ' || ZERO\_RESULT);

DBMS\_OUTPUT.PUT\_LINE('RESULT FROM CALCULATING NULL COMMISSION WAS ' || NULL\_RESULT);

END;

**Screenshots:**



