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Prenom : Othman

Filiere : Genie informatique 2

Numero : 11

TP2_PL/SQL

Exercice 1 :

```
1   SET SERVEROUTPUT ON;
2   DECLARE
3       v_des ARTICLE.des%TYPE;
4       v_num_a ARTICLE.num_a%TYPE := 3;
5   BEGIN
6       SELECT des INTO v_des
7       FROM ARTICLE
8       WHERE num_a = v_num_a;
9
10      DBMS_OUTPUT.PUT_LINE('Article found: ' || v_des);
11
12  EXCEPTION
13      WHEN NO_DATA_FOUND THEN
14          DBMS_OUTPUT.PUT_LINE('No article found with num_a = ' || v_num_a);
15  END;
16  /
17
```

```
No article found with num_a = 10


PL/SQL procedure successfully completed.

Article found: Souris Logitech



PL/SQL procedure successfully completed.
```

```
1   SET SERVEROUTPUT ON;
2   DECLARE
3       v_nom FRS.nom%TYPE;
4       v_ville VARCHAR2(20) := 'Casablanca';
5   BEGIN
6       SELECT nom INTO v_nom
7       FROM FRS
8       WHERE ville = v_ville;
9
10      DBMS_OUTPUT.PUT_LINE('Supplier found: ' || v_nom);
11
12  EXCEPTION
13      WHEN TOO_MANY_ROWS THEN
14          DBMS_OUTPUT.PUT_LINE('Error: More than one supplier in ' || v_ville);
15
16      WHEN NO_DATA_FOUND THEN
17          DBMS_OUTPUT.PUT_LINE('No supplier found in ' || v_ville);
18  END;
19  /
```

```
Supplier found: TechSource


PL/SQL procedure successfully completed.
```

✓ **Exercice 3 :**

```
1    SET SERVEROUTPUT ON;
2    DECLARE
3        v_qte_vendue NUMBER := 15;
4        v_stock_dispo NUMBER := 10;
5    BEGIN
6        IF v_qte_vendue > v_stock_dispo THEN
7            RAISE_APPLICATION_ERROR(-20001,
8                'Error: Sold quantity exceeds stock! (Stock=' ||
9                v_stock_dispo || ', Sold=' || v_qte_vendue || ')');
10       END IF;
11
12       DBMS_OUTPUT.PUT_LINE('Sale accepted.');
13
14   EXCEPTION
15       WHEN OTHERS THEN
16           DBMS_OUTPUT.PUT_LINE(SQLERRM);
17   END;
18   /
19
```

```
ORA-20001: Error: Sold quantity exceeds stock! (Stock=10, Sold=15)


PL/SQL procedure successfully completed.
```

✓ **Exercice 4 :**

```
1    SET SERVEROUTPUT ON;
2    DECLARE
3        v_revenue_client NUMBER := 0;
4        v_qte NUMBER;
5        v_prix_vente NUMBER;
6
7        CURSOR c_client_revenue(v_num_c NUMBER) IS
8            SELECT qte, prix_vente
9            FROM VENTE
10           WHERE num_c = v_num_c;
11
12
13
14   BEGIN
15       OPEN c_client_revenue(3);
16
17       LOOP
18           FETCH c_client_revenue INTO v_qte, v_prix_vente;
19           v_revenue_client := v_revenue_client + ( v_qte * v_prix_vente);
20
21           EXIT WHEN c_client_revenue%NOTFOUND;
22       END LOOP;
23
24       DBMS_OUTPUT.PUT_LINE('le revenue totale du client selectionnee : '|| v_revenue_client);
25       CLOSE c_client_revenue;
26
27   EXCEPTION
28       WHEN NO_DATA_FOUND THEN
29           DBMS_OUTPUT.PUT_LINE('Le client n a effectué aucune vente.');
30
31       WHEN ZERO_DIVIDE THEN
32           DBMS_OUTPUT.PUT_LINE('erreur de calculation (division par zero)');
33
34   END;
35   /
```

```
le revenue totale du client selectionnee : 6400


PL/SQL procedure successfully completed.
```

✓ **Exercice 5 :**

```sql
SET SERVEROUTPUT ON;
DECLARE
    v_qte_vente VENTE.qte%TYPE := 200;
    v_prix_unitaire VENTE.prix_vente%TYPE := 100;
    v_montant_T NUMBER := v_qte_vente * v_prix_unitaire;

    Youssef EXCEPTION;
BEGIN
    IF v_montant_T > 10000 THEN
        Raise Youssef;
    ELSE
        DBMS_OUTPUT.PUT_LINE('Vente passee bien.');

    END IF;

EXCEPTION

    WHEN Youssef THEN
        DBMS_OUTPUT.PUT_LINE('le montant totale du vente depasse 10000DH![From Youssef]');
    WHEN OTHERS THEN
        DBMS_OUTPUT.PUT_LINE('Exception detectee : '||SQLERRM);

END;
/
```

```
le montant totale du vente depasse 10000DH![From Youssef]


PL/SQL procedure successfully completed.
```