Proiect

Sef Echipa: Sandru Alexandru Bogdan

Membrii Echipa: Constantinescu Emanuel, Palade Eduard Christian, Iacomi Mirel, Vagner Alin Petrisor.

8.

CREATE OR REPLACE TRIGGER recalculate\_rate

BEFORE UPDATE ON Rate

FOR EACH ROW

BEGIN

IF :NEW.Suma = 0 THEN

:NEW.Status := 'Platit';

ELSE

:NEW.Status := 'Partial Platit';

END IF;

END;

9.

CREATE OR REPLACE FUNCTION total\_platit (id\_client\_in IN NUMBER)

RETURN NUMBER

IS

total\_plati NUMBER;

BEGIN

-- Calculating the total amount paid by the client

SELECT SUM(TOTAL) INTO total\_plati

FROM Vanzari

WHERE ID\_Client = id\_client\_in;

-- Handle the case where no records are found and SUM returns NULL

IF total\_plati IS NULL THEN

RETURN 0;

ELSE

RETURN total\_plati;

END IF;

EXCEPTION

WHEN OTHERS THEN

-- Handling other types of exceptions

RAISE;

END;

10.

CREATE OR REPLACE PROCEDURE add\_sale (

p\_id\_vanzare IN Vanzari.ID\_Vanzare%TYPE,

p\_id\_client IN Vanzari.ID\_Client%TYPE,

p\_id\_produs IN Produse.ID\_Produs%TYPE,

p\_data\_vanz IN Vanzari.Data\_Vanzare%TYPE,

p\_cantitate IN Vanzari.Cantitate%TYPE,

p\_total IN Vanzari.Total%TYPE

)

IS

BEGIN

-- Inserting a new sale record into the Vanzari table

INSERT INTO Vanzari (ID\_Vanzare, ID\_Client, ID\_Produs, Data\_Vanzare, Cantitate, Total)

VALUES (p\_id\_vanzare, p\_id\_client, p\_id\_produs, p\_data\_vanz, p\_cantitate, p\_total);

-- Additional logic can be added here if necessary

COMMIT;

EXCEPTION

WHEN OTHERS THEN

ROLLBACK;

RAISE;

END add\_sale;

11.

////////////////////////////////

CREATE OR REPLACE PACKAGE magazin\_pachet AS

-- Declararea funcției

FUNCTION total\_platit (id\_client\_in IN NUMBER) RETURN NUMBER;

-- Declararea procedurii

PROCEDURE add\_sale (

p\_id\_vanzare IN Vanzari.ID\_Vanzare%TYPE,

p\_id\_client IN Vanzari.ID\_Client%TYPE,

p\_id\_produs IN Produse.ID\_Produs%TYPE,

p\_data\_vanz IN Vanzari.Data\_Vanzare%TYPE,

p\_cantitate IN Vanzari.Cantitate%TYPE,

p\_total IN Vanzari.Total%TYPE

);

END magazin\_pachet;

/////////////////////////////////////////

CREATE OR REPLACE PACKAGE BODY magazin\_pachet AS

-- Implementarea funcției

FUNCTION total\_platit (id\_client\_in IN NUMBER) RETURN NUMBER IS

total\_plati NUMBER;

BEGIN

SELECT SUM(TOTAL) INTO total\_plati

FROM Vanzari

WHERE ID\_Client = id\_client\_in;

IF total\_plati IS NULL THEN

RETURN 0;

ELSE

RETURN total\_plati;

END IF;

EXCEPTION

WHEN OTHERS THEN

RAISE;

END total\_platit;

-- Implementarea procedurii

PROCEDURE add\_sale (

p\_id\_vanzare IN Vanzari.ID\_Vanzare%TYPE,

p\_id\_client IN Vanzari.ID\_Client%TYPE,

p\_id\_produs IN Produse.ID\_Produs%TYPE,

p\_data\_vanz IN Vanzari.Data\_Vanzare%TYPE,

p\_cantitate IN Vanzari.Cantitate%TYPE,

p\_total IN Vanzari.Total%TYPE

)

IS

BEGIN

INSERT INTO Vanzari (ID\_Vanzare, ID\_Client, ID\_Produs, Data\_Vanzare, Cantitate, Total)

VALUES (p\_id\_vanzare, p\_id\_client, p\_id\_produs, p\_data\_vanz, p\_cantitate, p\_total);

COMMIT;

EXCEPTION

WHEN OTHERS THEN

ROLLBACK;

RAISE;

END add\_sale;

END magazin\_pachet;

////////////////////////////////////////

SELECT magazin\_pachet.total\_platit(1) FROM dual;

BEGIN magazin\_pachet.add\_sale(4, 1, 1, TO\_DATE('26-JAN-24', 'DD-MON-YY'), 3, 7500);

END;