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PL/SQL use of exception handling in bill calculation

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-- Create a table to store billing information

CREATE TABLE billing_info (

customer_id INT,

bill_amount NUMBER,

billing_date DATE

);

-- Create a procedure to calculate and insert bill amount for a customer

CREATE OR REPLACE PROCEDURE calculate_and_insert_bill (

p_customer_id IN billing_info.customer_id%TYPE,

p_billing_date IN billing_info.billing_date%TYPE

)

AS

v_total_amount NUMBER;

BEGIN

v_total_amount := 1000; -- Placeholder value for demonstration

-- Insert calculated bill amount into the billing_info table

INSERT INTO billing_info (customer_id, bill_amount, billing_date)

VALUES (p_customer_id, v_total_amount, p_billing_date);

-- Commit the transaction

COMMIT;

-- Print success message

DBMS_OUTPUT.PUT_LINE('Bill calculated and inserted successfully.');

EXCEPTION

-- Handle exceptions

WHEN OTHERS THEN

-- Rollback the transaction if an exception occurs

ROLLBACK;

-- Print error message

DBMS_OUTPUT.PUT_LINE('Error occurred: ' || SQLERRM);

END calculate_and_insert_bill;

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