

1)Function which counts the number of records :

```
CREATE OR REPLACE FUNCTION number_of_category_product(c_id IN NUMBER)
RETURN NUMBER
IS num_product NUMBER;
BEGIN
    SELECT COUNT(*) INTO num_product FROM PRODUCT WHERE category_id = c_id;
Return num_product ;
END;
```

Declare

num_product NUMBER ;

Begin

num_product := number_of_category_product(1102);

dbms_output.put_line(num_product || ' Products we have in category 1102');

END ;

2)DECLARE

num NUMBER := :num;

or_num orderr.order_number%type;

amount_sum orderr.amount%type ;

invalid_number_order EXCEPTION;

BEGIN

IF LENGTH(num) > 5 THEN

RAISE invalid_number_order;

ELse

SELECT order_number, amount INTO or_num, amount_sum

FROM orderr

WHERE order_number = num;

DBMS_OUTPUT.PUT_LINE ('Order number is' or_num ' amount is ' || amount_sum);

END IF;

EXCEPTION

WHEN invalid_number_order THEN

DBMS_OUTPUT.PUT_LINE('Invalid order name .');

WHEN OTHERS THEN

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

END;

3)CREATE OR REPLACE TRIGGER current_rowse

BEFORE INSERT ON any_table

FOR EACH ROW

declare

row_insert NUMBER ;

BEGIN

Select Count(*) into row_insert From Admin;

DBMS_OUTPUT.PUT_LINE(row_insert || ' its the number of rows.');

END;

Begin

Insert into Admin(admin_id , name , lastname , role) values(6 , 'Gna' , 'Oasarova' , 'anage');

END ;

4) CREATE OR REPLACE PROCEDURE determine_rowss(c_number IN NUMBER , status Varchar2)

IS

row_insert INTEGER;

BEGIN

Insert Into BANK(card , status) values(c_number , status) ;

row_insert := SQL%ROWCOUNT;

DBMS_OUTPUT.PUT_LINE(row_insert || ' row inserted.');

END;

```

5) CREATE OR REPLACE PROCEDURE group_by_Column (
    column_name IN VARCHAR2
)
IS
BEGIN
    FOR row IN (
        SELECT column_name, COUNT(*) AS row_count
        FROM Customer
        GROUP BY column_name
    ) LOOP
        DBMS_OUTPUT.PUT_LINE('Column value: ' || row.column_name || ', Row count: ' ||
row.row_count);
    END LOOP;
END;

BEGIN
    group_by_Column('Carter');
END ;

```