***1) ONE PL/SQL BLOCK USING CURSOR:***

SQL> SET SERVEROUTPUT ON

SQL> DECLARE

1. CURSOR C1 IS SELECT CUSTOMERID,CUSTOMERNAME,CITY FROM CUSTOMER;
2. ID CUSTOMER.CUSTOMERID%TYPE;
3. N CUSTOMER.CUSTOMERNAME%TYPE;
4. C CUSTOMER.CITY%TYPE;
5. NU NUMBER;
6. BEGIN
7. NU:=&NU;
8. OPEN C1;
9. LOOP
10. FETCH C1 INTO ID,N,C;
11. EXIT WHEN C1%NOTFOUND;
12. IF NU=ID THEN
13. DBMS\_OUTPUT.PUT\_LINE(N);
14. END IF;
15. END LOOP;
16. CLOSE C1;
17. END;
18. /

Enter value for nu: 14253602 old 8: NU:=&NU; new 8: NU:=14253602;

RISHIRAJ MALIK

PL/SQL procedure successfully completed.

***2) ONE PL/SQL BLOCK USING PROCEDURE:***

SQL> CREATE OR REPLACE PROCEDURE NAME(COST CART.TOTAL\_COST%TYPE) IS

1. S CART.SERIALNO%TYPE;
2. P CART.PRODUCTID%TYPE;
3. BEGIN
4. SELECT SERIALNO,PRODUCTID INTO S,P FROM CART WHERE TOTAL\_COST=COST;
5. DBMS\_OUTPUT.PUT\_LINE(S ||' '||P);
6. END;
7. /

Procedure created.

SQL> EXEC NAME(255);

8 74859608

PL/SQL procedure successfully completed.

***3) ONE PL/SQL BLOCK USING FUNCTION:***

SQL> CREATE OR REPLACE FUNCTION PROJECT

1. RETURN NUMBER IS
2. TOTAL NUMBER(8):=0;
3. BEGIN
4. SELECT COUNT(\*) INTO TOTAL
5. FROM CART;
6. RETURN TOTAL;
7. END;
8. /

Function created.

SQL> DECLARE

1. N NUMBER(8);
2. BEGIN
3. N:=PROJECT();
4. DBMS\_OUTPUT.PUT\_LINE('TOTAL NO OF PRODUCT IN CART:'||N);
5. END;
6. /

TOTAL NO OF PRODUCT IN CART:11

PL/SQL procedure successfully completed.

***4) ONE PL/SQL BLOCK USING TRIGGER:***

## (BEFORE TRIGGER EXECUTION)

SQL> SELECT \* FROM PAYMENT;

PAYMENTID CUSTOMERID ORDERID PAYMENT\_METHOD AMOUNT

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1. 14253601 93827101 COD 599
2. 14253601 93827102 COD 4000
3. 14253602 93827103 CREDIT CARD 1200
4. 14253603 93827104 CREDIT CARD 1200
5. 14253605 93827105 COD 255
6. 14253605 93827106 COD 1999

6 rows selected.

SQL> SELECT \* FROM ORDERS;

ORDERID CUSTOMER SERIALNO ORDERSTATE DAYS\_OF\_DELIVERY DOD

---------- ---------- ---------- -------------------- ---------------- ---------

1. 14253601 1 SHIPPED 2 11-JAN-18
2. 14253601 3 DELIVERED 2 13-DEC-18
3. 14253602 5 PROCESSING 4 13-NOV-18
4. 14253603 6 SHIPPED 3 24-DEC-18
5. 14253605 8 SHIPPED 3 30-OCT-18
6. 14253605 9 DISPATCHED 1 30-OCT-18

6 rows selected.

SQL> CREATE OR REPLACE TRIGGER DEL

1. BEFORE DELETE ON ORDERS FOR EACH ROW
2. BEGIN
3. DELETE FROM PAYMENT WHERE ORDERID=:OLD.ORDERID;
4. END;
5. /

Trigger created.

SQL> DELETE FROM ORDERS WHERE ORDERID=93827101;

1 row deleted.

## (AFTER TRIGGER EXECUTION)

SQL> SELECT \* FROM PAYMENT;

PAYMENTID CUSTOMERID ORDERID PAYMENT\_METHOD AMOUNT

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1. 14253601 93827102 COD 4000
2. 14253602 93827103 CREDIT CARD 1200
3. 14253603 93827104 CREDIT CARD 1200
4. 14253605 93827105 COD 255
5. 14253605 93827106 COD 1999

SQL> SELECT \* FROM ORDERS;

ORDERID CUSTOMER SERIALNO ORDERSTATE DAYS\_OF\_DELIVERY DOD

---------- ---------- ---------- -------------------- ---------------- ---------

1. 14253601 3 DELIVERED 2 13-DEC-18
2. 14253602 5 PROCESSING 4 13-NOV-18
3. 14253603 6 SHIPPED 3 24-DEC-18
4. 14253605 8 SHIPPED 3 30-OCT-18
5. 14253605 9 DISPATCHED 1 30-OCT-18