Cursors: (All types: Implicit, Explicit, Cursor FOR Loop, Parameterized Cursor) Write a PL/SQL block of code using parameterized Cursor that will merge the data availablein the newly created table N\_RollCall with the data available in the table O\_RollCall. If the data in the first table already exist in the second table then that data should be skipped.

DECLARE

pid NUMBER;

pname VARCHAR2(100);

pr FLOAT;

qt NUMBER;

BEGIN

pid := &pid;

SELECT pid, product\_name, price, quantity

INTO pid, pname, pr, qt

FROM products;

IF SQL%FOUND THEN

DBMS\_OUTPUT.PUT\_LINE(pid || ' ' || pname || ' ' || pr || ' ' || qt);

END IF;

END;

/

SQL\*Plus: Release 21.0.0.0.0 - Production on Fri Sep 19 14:20:12 2025

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Fri Sep 19 2025 11:19:32 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> create table products ( pid number primary key, product\_name varchar2(100), price number(10, 2), quantity number);

Table created.

SQL> INSERT INTO products (pid, product\_name, price, quantity)

2 VALUES (101, 'Mobile', 14000, 1);

1 row created.

SQL> insert into products (pid, product\_name, price, quantity)

2 values (102, 'laptop', 28000, 2);

1 row created.

SQL> insert into products (pid, product\_name, price, quantity)

2 values (103, 'pc', 20000, 3);

1 row created.

SQL> select\*from products

2 ;

PID

----------

PRODUCT\_NAME

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

PRICE QUANTITY

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

101

Mobile

14000 1

102

laptop

28000 2

PID

----------

PRODUCT\_NAME

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

PRICE QUANTITY

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

103

pc

20000 3

SQL> desc products;

Name Null? Type

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PID NOT NULL NUMBER

PRODUCT\_NAME VARCHAR2(100)

PRICE NUMBER(10,2)

QUANTITY NUMBER

SQL> @C:\Users\System05\Desktop\A3\prog.sql

Enter value for pid: 101

old 7: pid := &pid;

new 7: pid := 101;

101 Mobile 14000 1

PL/SQL procedure successfully completed.

SQL> @C:\Users\System05\Desktop\A3\prog2.sql

Enter value for pid: 101

old 7: pid := &pid;

new 7: pid := 101;

DECLARE

\*

ERROR at line 1:

ORA-01422: exact fetch returns more than requested number of rows

ORA-06512: at line 9

Explicit:

Explicit cursor

declare

pid int;

pname varchar(20);

pr float;

qt int;

cursor c1(p float) is select \* from products where price>p;

begin

open c1(&p);

loop

fetch c1 into pid,pname,pr,qt;

exit when c1%notfound;

dbms\_output.put\_line(pid||pname||pr||qt);

end loop;

close c1;

end;

/

SQL> @C:\Users\System05\Desktop\A3\explicit\progg sql

Enter value for p: 15000

old 8: open c1(&p);

new 8: open c1(15000);

102laptop280002

103pc200003

PL/SQL procedure successfully complete

CODE: Update Cursor

declare

pid int;

pname varchar(50);

pr float;

qty int;

cursor c1(p float) is select \* from product where price>p for update;

begin

open c1(&p);

loop

fetch c1 into pid,pname,pr,qty;

exit when c1% notfound;

update product set price=price-2000 where current of c1;

dbms\_output.put\_line(pid||pname||pr||qty);

end loop;

close c1;

end;

OUTPUT :

SQL> set serveroutput on

SQL> @C:\sql\pr72.sql

Enter value for p: 103

old 8: open c1(&p);

new 8: open c1(103);

102Laptop280002

103Pc200003

PL/SQL procedure successfully completed.

SQL> @C:\sql\pr72.sql

Enter value for p: 102

old 8: open c1(&p);

new 8: open c1(102);

102Laptop280002

103Pc200003

PL/SQL procedure successfully completed.

SQL> select \* from product;

PID PRODUCTNAME PRICE QTY

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101 Mobile 12000 1

102 Laptop 26000 2

103 Pc 18000 3

CODE: DELETE CURSOR

declare

pid int;

pname varchar(50);

pr float;

qty int;

cursor c1(p float) is select \* from product where price>p for update;

begin

open c1(&p);

loop

fetch c1 into pid,pname,pr,qty;

exit when c1% notfound;

delete from product where current of c1;

dbms\_output.put\_line(pid||pname||pr||qty);

end loop;

close c1;

end;

/

OUTPUT:

SQL> set serveroutput on

SQL> @C:\sql\pr7.sql

SP2-0310: unable to open file "C:\sql\pr7.sql"

SQL> @C:\sql\pr73.sql

Enter value for p: 102

old 8: open c1(&p);

new 8: open c1(102);

102Laptop260002

103Pc14000180003

PL/SQL procedure successfully completed.

SQL> @C:\sql\pr73.sql

Enter value for p: 101

old 8: open c1(&p);

new 8: open c1(101);

PL/SQL procedure successfully completed.

SQL> select \* from product;

PID PRODUCTNAME PRICE QTY

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

101 Mobile 12000 1