**DBMS**

**EXPERIMENT - 15**

**RA1911003010414**

**Saket Kumar Baranwal**

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| **Exp. No** | **Conducted on** | **Submitted On** | **Date of Late Submission**  **(if Any)** | **Max Marks Allotted** | **Marks Obtained** | **Faculty Signature** |
| 1 | 22/04/2022 | 02/05/2022 |  | 10 |  |  |
| **Exp Title** | PL / SQL Cursors and Exception Handling for Project | | | | | |

**Aim**

To execute appropriate PL/SQL cursors and Exception Handling for the Project.

**Queries**

CREATE OR REPLACE PROCEDURE add\_to\_wish\_list (

buyer\_id IN VARCHAR,

product\_id IN INTEGER

) AS

BEGIN

INSERT INTO wish\_list VALUES (

buyer\_id,

sysdate

);

INSERT INTO product\_wishlist VALUES (

product\_id,

buyer\_id

);

END add\_to\_wish\_list;

CREATE OR REPLACE PROCEDURE place\_order (

order\_id IN INTEGER,

buyer\_id\_var IN VARCHAR

) AS

card\_id\_var INTEGER;

address\_id\_var INTEGER;

total\_price\_var NUMBER := 0;

curr\_price\_var NUMBER;

total\_qty\_var NUMBER := 0;

available\_units\_var NUMBER(1);

shipping\_price\_var NUMBER := 10;

is\_prime\_var NUMBER := 0;

CURSOR products\_cur IS

SELECT

product\_id

FROM

product\_shoppingcart

WHERE

buyer\_id = buyer\_id\_var;

product\_id\_var INTEGER;

BEGIN

OPEN products\_cur;

LOOP

FETCH products\_cur INTO product\_id\_var;

EXIT WHEN products\_cur%notfound;

SELECT

price,

available\_units

INTO

curr\_price\_var,

available\_units\_var

FROM

product

WHERE

product\_id = product\_id\_var;

IF available\_units\_var > 0 THEN

total\_price\_var := ( total\_price\_var + curr\_price\_var );

total\_qty\_var := total\_qty\_var + 1;

INSERT INTO order\_product VALUES (

order\_id,

product\_id\_var

);

END IF;

-- DELETE FROM product\_shoppingcart

-- WHERE product\_id = product\_id\_var AND buyer\_id = buyer\_id\_var;

END LOOP;

CLOSE products\_cur;

SELECT

is\_prime

INTO is\_prime\_var

FROM

buyer

WHERE

buyer\_id = buyer\_id\_var;

IF is\_prime\_var = 1 THEN

shipping\_price\_var := 0;

END IF;

SELECT

card\_id

INTO card\_id\_var

FROM

card\_info

WHERE

buyer\_id = buyer\_id\_var

AND is\_default = 1;

SELECT

address\_id

INTO address\_id\_var

FROM

contact\_detail

WHERE

user\_id = buyer\_id\_var

AND is\_default = 1;

total\_price\_var := total\_price\_var + shipping\_price\_var + 10;

INSERT INTO amz\_order VALUES (

order\_id,

buyer\_id\_var,

card\_id\_var,

total\_price\_var,

sysdate,

10,

shipping\_price\_var,

address\_id\_var,

add\_months(DATE '2019-11-28', 1),

'c',

total\_qty\_var

);

END place\_order;

BEGIN

add\_to\_wish\_list('shashwatraj@gmail.com', 1);

add\_to\_wish\_list('shashwatraj@gmail.com', 4);

add\_to\_wish\_list('rohankr@gmail.com', 3);

add\_to\_wish\_list('rohankr@gmail.com', 2);

END;

BEGIN

add\_to\_shopping\_cart('shashwatraj@gmail.com', 1);

add\_to\_shopping\_cart('shashwatraj@gmail.com', 3);

add\_to\_shopping\_cart('rohankr@gmail.com', 2);

add\_to\_shopping\_cart('rohankr@gmail.com', 1);

END;

**Procedure with exception handling**

create or replace procedure prod\_details(p\_id in varchar)

is

quan number(2);

begin

select quantity into quan from product where product\_id=p\_id;

exception

when no\_data\_found then

dbms\_output.put\_line('Sorry no such product exist !!');

end;

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**Result:**

Thus the pl/sql have been executed successfully.