IMPLICIT:

declare

p\_price product.price%type;

begin

select price into p\_price from product where pid=101;

if sql%found then

dbms\_output.put\_line('Price fetched:'||p\_price);

else

dbms\_output.put\_line('Product not found.');

end if;

end;

/

EXPLICIT:

declare

cursor prod\_cursor is select pid,pname,price from product;

p\_pid int;

p\_pname varchar(20);

p\_pr float;

begin

open prod\_cursor;

loop

fetch prod\_cursor into p\_pid,p\_pname,p\_pr;

exit when prod\_cursor%notfound;

dbms\_output.put\_line('pid'||p\_pid||'pname'||p\_pname||'price'||p\_pr);

end loop;

close prod\_cursor;

end;

/

SQL\*Plus: Release 21.0.0.0.0 - Production on Sun Sep 7 15:24:15 2025

Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: system

Enter password:

Last Successful login time: Sun Sep 07 2025 14:54:23 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> insert into product values(101,'toothpaste',10);

1 row created.

SQL> insert into product values(102,'Shampoo',100);

1 row created.

SQL> insert into product values(103,'Earphones',1000);

1 row created.

SQL> select \* from product;

PID PNAME PRICE

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

101 toothpaste 10

102 Shampoo 100

103 Earphones 1000

SQL> set serveroutput on

SQL> @ "C:\Users\Raj\OneDrive\DBMSPRACTICAL\sql.output.docx"

PL/SQL procedure successfully completed.

SQL> @ "C:\Users\Raj\OneDrive\DBMSPRACTICAL\sql.output.docx"

pid102pnameShampooprice110

pid103pnameEarphonesprice1100

PL/SQL procedure successfully completed.

SQL> set serveroutput on

SQL> @C "C:\Users\Raj\OneDrive\DBMSPRACTICAL\sql.output.docx"

Enter value for enter\_price: 100

old 14: v\_input := &enter\_price;

new 14: v\_input := 100;

Starting to fetch products above price 100...

pid: 102, name: Shampoo, price: 121

pid: 103, name: Earphones, price: 1210

Done fetching products.

PL/SQL procedure successfully completed.

SQL> set serveroutput on

SQL> @C "C:\Users\Raj\OneDrive\DBMSPRACTICAL\sql.output.docx"

Prices updated.

PL/SQL procedure successfully completed.

SQL> select \* from product;

PID PNAME PRICE

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

101 Soap 25

102 Shampoo 254

103 Earphones 2541

* **sql.parameterized code** :

DECLARE

CURSOR product\_cursor(p\_price\_1 NUMBER) IS

SELECT pid, pname, price

FROM product

WHERE price > p\_price\_1;

p\_pid product.pid%TYPE;

p\_pname product.pname%TYPE;

p\_price product.price%TYPE;

v\_input NUMBER;

BEGIN

v\_input := &enter\_price;

DBMS\_OUTPUT.PUT\_LINE('Starting to fetch products above price ' || v\_input || '...');

OPEN product\_cursor(v\_input);

LOOP

FETCH product\_cursor INTO p\_pid, p\_pname, p\_price;

EXIT WHEN product\_cursor%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('pid: ' || p\_pid || ', name: ' || p\_pname || ', price: ' || p\_price);

END LOOP;

CLOSE product\_cursor;

DBMS\_OUTPUT.PUT\_LINE('Done fetching products.');

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('An error occurred: ' || SQLERRM);

END;

/

Sql,update:

DECLARE

v\_increase NUMBER := 5.10;

BEGIN

FOR rec IN (SELECT pid, price FROM product WHERE price < 5000) LOOP

UPDATE product

SET price = rec.price \* v\_increase

WHERE pid = rec.pid;

END LOOP;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Prices updated.');

END;

/