

Program 1FACTORIAL OF A NUMBER USING FUNCTION

GET SERVEROUTPUT ON;

CREATE OR REPLACE FUNCTION fact (n NUMBER) RETURN

NUMBER IS

f NUMBER := 1;

BEGIN

FOR; IN 1...n LOOP f := f * i; END LOOP

Return f;

END;

BEGIN

DBMS_OUTPUT.PUT_LINE ('Factorial = || fact(5));

END;



Program 2

Write a PL/SQL program using Procedures IN, INOUT, OUT parameters to retrieve the corresponding book information in library

CREATE OR REPLACE PROCEDURE book_info (

bid IN NUMBER

brname IN OUT VARCHAR2,

author OUT VARCHAR2)

AS
BEGIN

SELECT book_name, author_name
INTO brname, author
FROM library
WHERE book_id = bid;

END;

DECLARE

v_bid NUMBER := 101;

v_brname VARCHAR2(30) := 'temp';

v_author VARCHAR2(30);

BEGIN

book_info(v_bid, v_brname,
v_author);

DBMS_OUTPUT.PUT_LINE('Book
name: ' || v_brname);

DBMS_OUTPUT.PUT_LINE

('Author: ' || v_author);

END;

Evaluation Procedure	Marks awarded
PL/SQL Procedure(5)	5
Program/Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	