

Program 1FACTORIAL OF A NUMBER USING FUNCTION

```

GET SERVEROUTPUT ON;
CREATE OR REPLACE FUNCTION fact (IN NUMBER) RETURN NUMBER AS
NUMBER f;
f NUMBER := 1;
BEGIN
FOR i IN 1...n Loop    f := f * i; END loop
Return f;
END;
BEGIN
DBMS_OUTPUT.PUT_LINE ('Factorial is ' || 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,
    authos OUT VARCHAR2)
AS
BEGIN
    SELECT book_name, author_name
    INTO brname, authos
    FROM library
    WHERE book_id = bid;
END;
```

DECLARE
v_bid NUMBER := 101;

v_brname VARCHAR2(30) := 'Temp';

v_authos VARCHAR2(30);

BEGIN

book_info(v_bid, v_brname,
v_authos);

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

DBMS_OUTPUT.PUT_LINE
('Author : ' || v_authos);

END;

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