Program 1

FACTORIAL OF A NUMBER USING FUNCTION

```
SET SERVEROUTPUT ON:
Create or replace function factorial (n number)
Return number
IS
fact NUMBER =1
Begin
for i in 1..n loop
fact := fact * i
End loop
return fact;
END;
/

DECLARE
num NUMBER = 5
RESULT NUMBER
BEGIN
result := factorial (num);
DBMS_OUTPUT.PUT_LINE ('factorial of ||num||'is'|| result)
ENDS;
/
```

Program 2

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

```
SET SERVEROUTPUT ON;
CREATE or replace procedure get_book_into info (P_book_id in
NUMBER, P_book_name OUT, VARCHAR2, P_author OUT VARCHAR2,
P_price in out number2) is
Begin
Select book_name, author, price into p-book_name, p_author
from library where book_id = P-book_id;
DBMS_OUTPUT.put_line ('Book Name:' || p-book-name);
dbms_output.put_line ('author' || p_author)
DECLARE
V_book_name Varchar2(50)
V_author Varchar 2 (50)
Begin
    get book info (101, u_book_name, u_author);
    dbms_output.put_line ('book info retrieved sucsessfully)
```

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