## Program 1
### FACTORIAL OF A NUMBER USING FUNCTION

```
SET
      SERVEROUTPUT ON;
CREATE   OR   REPLACE   FUNCTION factorial (num)
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 -LINE (factorial of '|| num ||'is ||
                         result);

END;
/
```

## Program 2

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

```
SET   SERVER OUTPUT   ON;

CREATE  or  REPLACE Procedure get_book_info (P_book_id
 IN  number, P_book_name  out varchar 2, P_author
 out varchar 2. P_Price  out number is

BEGIN
    SELECT  book_name, author, Price INTO P_book_name,
    P_author. P_Price

From  library
    WHERE  book_id = P_book_id;
    DBMS-output Put-LINE (Book Name : || P_book_
    DBMS-output. Put-LINE ('Author:' || P_author);
    DBMS-output Put-LINE (Price:' || Price);
```

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