

Program 1

FACTORIAL OF A NUMBER USING FUNCTION

create or replace function factorial\_func (p-num IN  
NUMBER)

return number

is

v-result number := 1;

Begin

if p-num < 0 then

Raise - application - error (-20001, 'factorial is not  
defined for negative numbers.

else if p-num = 0 THEN

v-result := 1;

else

v-result := p-num \* factorial\_func(p-num - 1);

end if;

return v-result;

END;

declare

v-input-number NUMBER := 5;

v-factorial-result NUMBER;

END;

## Program 2

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

create table book (book-id NUMBER PRIMARY key,  
title VARCHAR2 (100), author varchar(100));

insert into books (book-id, title, author) values (1, 'Alchemist',  
'paulo coelho');

insert into books (book-id, title, author) values (2, 'To kill  
mockingbird');

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