

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	R.D.