

Program 1

FACTORIAL OF A NUMBER USING FUNCTION

set serveroutput on

create or replace function factorial(*n* number)

return number

IS

result NUMBER := 1;

BEGIN

IF *n*<0 THEN

RAISE_APPLICATION_ERROR(-20061,

(Factorial is not defined for negative numbers.?)

ELSE IF *n*=0 THEN

result := 1;

ELSE

FOR *i* IN 1..*n* LOOP

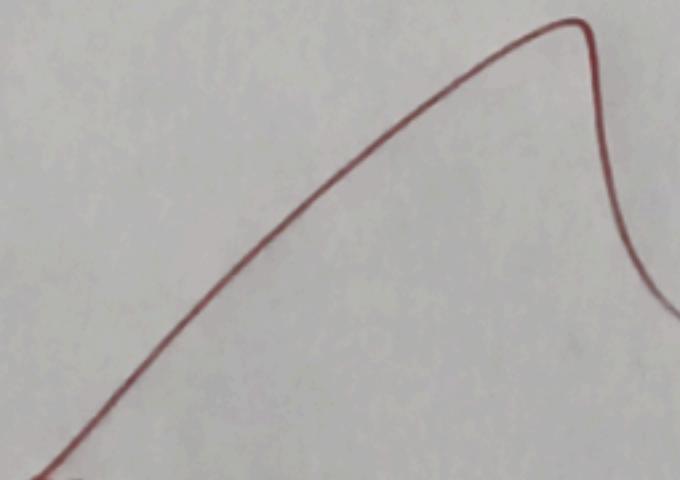
result := result * *i*;

END LOOP;

END IF;

RETURN result;

END;



Program 2

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

```
create table library-books
  Book-id Number primary key,
  Book-title varchar2(100),
  Author-name varchar2(150), price number
);

insert into library-books values (101, 'Database System',
'Elmasri', 550);
insert into library-books values (102, 'Java Programming')
  cursor select * from library-books;
insert into library-books values (103, 'Operating System',
'Galvin', 600);
```

COMMIT;



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