Ex No:6

Name:T.M.Dheenadayalan
RegNo:9918004024

To write a PL/SQL block to implementation of factorial using function

Program:

```
 DECLARE

 n number; factorial

number; FUNCTION fact(a

number) RETURN number

IS

f number ;

BEGIN

IF a=0 THEN

        f := 1;

ELSE

    f := a * fact(a-1);

END IF;

RETURN f;

END;

BEGIN

n:= 7;

factorial := fact(n);

dbms_output.put_line(' Factorial '|| n|| ' is ' || factorial);

END; /
```

Q2:create a function which count total no.of employees having salary less than 6000.

Program:

```
       DECLARE

ne number;

exp_sal number;

FUNCTION count_emp(esal number)

RETURN number

IS

CURSOR vin_cur is select emp_no,emp_sal from EMP;

xno  EMP.emp_no%type;

xsal  EMP.emp_sal%type;

c number;

BEGIN

open vin_cur;

c:=0;

loop

fetch vin_cur into xno,xsal;

if(xsal<esal) then

c:=c+1;

end if;

exit when vin_cur%notfound;

end loop;

close vin_cur;

return c;

END;

BEGIN
```

```
exp_sal:=6000;

ne:=count_emp(exp_sal);

Dbms_output.put_line(exp_sal);

Dbms_output.put_line('there are '||ne||' employees less salary than '||exp_sal);

END;
/
```

OUTPUT: