**FUNCTIONS**

SQL> create or replace function

factorial(n in number) return

number is

begin

if n<0 then

return null;

elsif n=0 then

return 1;

else

return n \* factorial(n-1);

end if;

end;

/

**Function created.**

SQL> declare

input\_number number;

result number;

begin

input\_number:=&enter\_a\_number;

result:= factorial(input\_number);

if result is not null then

dbms\_output.put\_line('THE FACTORIAL OF'|| input\_number||'is'|| result);

else

dbms\_output.put\_line('invalid input:factorial is not defined for negative

numbers.');

end if;

end;

/

Enter value for enter\_a\_number: 5

old 5: input\_number:=&enter\_a\_number;

new 5: input\_number:=5;

PL/SQL procedure successfully completed.