**PRACTICAL NO.9**

**AIM:** **write a program to calculate factorial of a given number by calling itself recursively.**

**PROGRAM:**

SQL> create or replace function fact(n integer)

2 return integer

3 is

4 begin

5 if n=1 then

6 return 1;

7 else return (n\*fact(n-1));

8 end if;

9 end;

10 /

Function created.

SQL> declare

2 n integer;

3 f integer;

4 begin

5 n:=6;

6 f:=fact(n);

7 dbms\_output.put\_line('Factorial of '||n||' is '||f);

8 end;

9 /

**O/P:**

Factorial of 6 is 720

PL/SQL procedure successfully completed.