1. Write a PL/SQL procedure that accepts a single positive number as input, and prints out the factorial of that number.

create or replace function Factorial(n integer) returns integer as $$

BEGIN

if n<=1 and n>=0 then

return 1;

else

return n\* Factorial(n-1);

end if;

END;

$$ LANGUAGE plpgsql;

select \* from Factorial(5);

**o/p: 120**

1. Handle the division-by-zero exception in the invert function which computes inverse of the given number

create or replace function invert(n integer, OUT res real) as $$

BEGIN

res=((1.0)/n);

EXCEPTION

when DIVISION\_BY\_ZERO then raise EXCEPTION 'Divide by zero error...';

END;

$$ LANGUAGE plpgsql;

**O/p:**

**select \* from invert(5);**

**0.2**

select \* from invert(0);

ERROR: Divide by zero error...

\*\*\*\*\*\*\*\*\*\* Error \*\*\*\*\*\*\*\*\*\*

ERROR: Divide by zero error...

SQL state: P0001