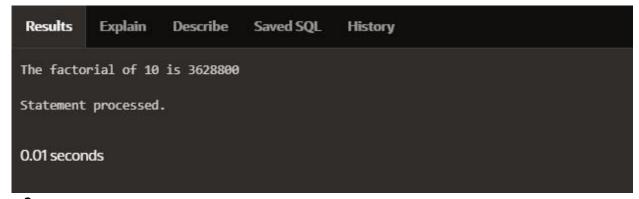
Ex.No.: 12		
Date:	18/09/2024	PL SQL PROGRAMS

## **Program 1**

## **FACTORIAL OF A NUMBER USING FUNCTION**



## Program 2

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

```
CREATE OR REPLACE PROCEDURE book_info( p_book_id IN NUMBER, p_author OUT VARCHAR2, p_title OUT VARCHAR2, p_published_date OUT DATE ) AS BEGIN

SELECT author, title, published_date
INTO p_author, p_title, p_published_date
FROM books
WHERE book_id = p_book_id;
```

```
EXCEPTION
  WHEN NO DATA FOUND THEN
    p_author := NULL; p_title := NULL;
    p_published_date := NULL;
  WHEN OTHERS THEN
    RAISE; END book info;
DECLARE v_author VARCHAR2(100); v_title
VARCHAR2(100); v_published_date DATE; v_book_id NUMBER := 1;
BEGIN book_info(v_book_id, v_author, v_title, v_published_date);
  IF v author IS NOT NULL THEN
    DBMS_OUTPUT.PUT_LINE('Book ID: ' || v_book_id);
    DBMS_OUTPUT.PUT_LINE('Author: ' || v_author);
    DBMS OUTPUT.PUT LINE('Title: ' || v title);
           DBMS_OUTPUT.PUT_LINE('Published Date: ' || TO_CHAR(v_published_date, 'YYYY-
MM-DD'));
  ELSE
    DBMS_OUTPUT.PUT_LINE('No book found with ID: ' || v_book_id); END
  IF;
END;
```