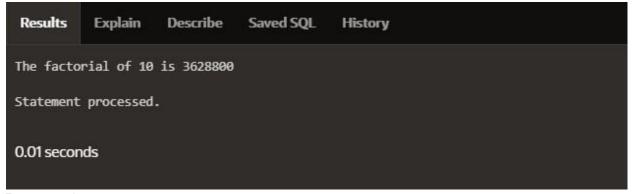
Ex.No.: 12	
Date: 19/09/2024	PL SQL PROGRAMS

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:
 Book ID: 1
 Author: William Shaespeare
 Title: Hamlet
 Published Date: 1590-12-12
 Statement processed.
 0.02 seconds
```