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Date: 04.11.2024 Ex.no:12

WORKING WITH CURSOR, PROCEDURES AND FUNCTION

Program 1

```
FACTORIAL OF A NUMBER USING FUNCTION
```

```
CREATE OR REPLACE FUNCTION it fact (a NUMBER) RETURN NUMBER
  IS fact NUMBER := 1; b NUMBER;
BEGIN
  b := a;
  WHILE b > 0 LOOP
    fact :=
    fact * b; b := b -
    1;
  END LOOP;
  RETURN fact;
END;
Function created.
DECLARE result NUMBER;
BEGIN
  result := itfact(7); -- Call the function with 7 as input
  DBMS OUTPUT.PUT LINE('The factorial of 7 is ' || result);
END;
 The factorial of 7 is 5040
 Statement processed.
```

Program 2

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

get_book_info(1, v_book_name, v_author_name); -- Fetch book info for ID 1

DBMS OUTPUT.PUT LINE('Book Name: ' || v book name); -- Output modified book

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$DBMS_OUTPUT_LINE('Author\ Name: ' \parallel v_author_name);\ Output\ author\ name\ END;$	
	CSE(CYBER SECURITY)

NAME: H.KAVYA VARSHINI	ROLL.NO: 231901021
Book Name: Introduction to PL/SQL - Updated Author Name: John Doe	
Statement processed.	
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