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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
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```
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_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

VARCHAR2(100);

v_book_name := 'Sample Book'; -- Initial value

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

DBMS_OUTPUT_LINE('Book Name: ' || v_book_name); -- Output modified book

BEGIN

name

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DBMS_OUTPUT.PUT_LINE('Author Name	·' v_author_name): Output author
name END;	. v_aumor_name), Output aumor
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	CSE(CYBER SECURITY)
	OOL(OTBLIK OLOOKITT)

NAME: SOMILA .SA	ROLL.NO: 231901052
Book Name: Introduction to PL/SQL - Updated Author Name: John Doe	
Statement processed.	
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