## Program 1

### FACTORIAL OF A NUMBER USING FUNCTION

```
CREATE OR REPLACE FUNCTION cal_fac(n NUMBER)
     RETURN NUMBER IS  fac NUMBER := 1;
BEGIN
    IF n=0 OR n=1  THEN
            return fac;
    ELSE
        FOR i IN 1__n Loop
               fac := fac + i;
        END LOOP;
        RETURN fac;
    END IF;
END cal_fac;


DECLARE
    num NUMBER := 5;
    result NUMBER;
BEGIN
    result := cal_fac(num);
    DBMS-OUTPUT. PUT_ LINE (result);

END;
```

Program 2:-

```sql
CREATE OR REPLACE PROCEDURE book_info(
        p_book_id IN NUMBER;
        p_author OUT VARCHAR2;
        p_avail_cop IN OUT NUMBER; ) IS
BEGIN
    SELECT author, avail_cop from library-books, where p_book_id = p_book_id;
    IF p_avail_cop > 0 THEN
            p_avail_cop := p_avail_cop - 1;
    ELSE
        DBMS-OUTPUT. PUT_LINE (" No available copies");
    END IF;
END book_info;


DECLARE
        book_id    NUMBER( := 2;
        author VARCHAR2 (100);
        avail_cop NUMBER := 1;

BEGIN
        book_info ( book_id, author, avail_cop);

        DBMS_OUTPUT. PUT_LINE ( book_id || author || avail_cop);

END;
```

| Evaluation Procedure | Marks awarded |
|---|---|
| PL/SQL Procedure(5) | 5 |
| Program/Execution (5) | 5 |
| Viva(5) | 5 |
| Total (15) | 15 |
| Faculty Signature | |