

queries.sql

42vg6uw6v

NEW

PLSQL

RUN

```

1
2 CREATE OR REPLACE FUNCTION factorial (p_number IN NUMBER) RETURN NUMBER IS
3     v_result NUMBER := 1;
4 BEGIN
5     -- Check for negative numbers
6     IF p_number < 0 THEN
7         RETURN NULL; -- Factorial is not defined for negative numbers
8     END IF;
9
10    -- Calculate factorial using a loop
11    FOR i IN 1..p_number LOOP
12        v_result := v_result * i;
13    END LOOP;
14
15    RETURN v_result;
16 END;
17 /
18
19 SELECT factorial(5) AS factorial_value FROM dual;
20
21
    
```

STDIN

Input for the program (Optional)

Output:

FACTORIAL_VALUE

120

FACTORIAL_VALUE

120

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```

1 CREATE OR REPLACE PROCEDURE get_book_info (
2     p_book_id      IN NUMBER,
3     p_title        OUT VARCHAR2,
4     p_author       OUT VARCHAR2,
5     p_pub_year     OUT NUMBER,
6     p_status       IN OUT VARCHAR2
7 ) IS
8 BEGIN
9     -- Initialize OUT parameters
10    p_title := NULL;
11    p_author := NULL;
12    p_pub_year := NULL;
13
14    -- Retrieve book information
15    SELECT title, author, publication_year
16    INTO p_title, p_author, p_pub_year
17    FROM library
18    WHERE book_id = p_book_id;
19
20    -- Check if book id was found and set the status
21    IF p_title IS NOT NULL THEN
22        p_status := 'Book Found';
23    ELSE
24        p_status := 'Book Not Found';
25    END IF;
26 EXCEPTION
27 WHEN NO_DATA_FOUND THEN
28     p_status := 'Book Not Found';
29     p_title := NULL;
30     p_author := NULL;
31     p_pub_year := NULL;
32 END;
33 /
34
35
    
```

STDIN

Input for the program (Optional)

Output:

Warning: Procedure created with compilation errors.