**Experiment Title-2.1**

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**Subject Name: DBMS Subject Code:21 CSH-214**

**1. Aim/Overview of the practical:**  **Write a PL/SQL program to convert a temperature in scale Fahrenheit to Celsius and vice versa.**

**2. Source Code:**

DECLARE

temp1 NUMBER := &input\_a\_temp;

t\_scale CHAR := '&input\_temp\_scale';

new\_temp NUMBER;

new\_scale CHAR;

BEGIN

IF t\_scale != 'C'

AND

t\_scale != 'F' THEN

dbms\_output.Put\_line ('The scale you input is not a valid scale');

new\_temp := 0;

new\_scale := 'C';

ELSE

IF t\_scale = 'C' THEN

new\_temp := ( ( 9 \* temp1 ) / 5 ) + 32;

new\_scale := 'F';

ELSE

new\_temp := ( ( temp1 - 32 ) \* 5 ) / 9;

new\_scale := 'C';

END IF;

END IF;

dbms\_output.Put\_line ('The new temperature in scale '

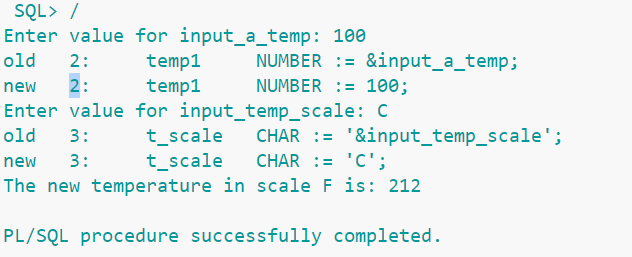
||new\_scale

||' is: '

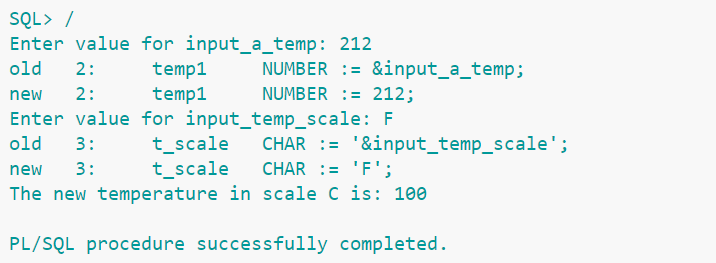
||new\_temp);

END;

**3. Result/Output:**

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