-- Create the Age\_calc procedure

CREATE OR REPLACE PROCEDURE Age\_calc (

dob DATE,

OUT\_years OUT NUMBER,

OUT\_months OUT NUMBER,

OUT\_days OUT NUMBER

)

IS

today DATE := SYSDATE;

diff\_year NUMBER;

diff\_month NUMBER;

diff\_day NUMBER;

BEGIN

-- Calculate the difference in years

diff\_year := TRUNC(MONTHS\_BETWEEN(today, dob) / 12);

-- Calculate the difference in months

diff\_month := MOD(TRUNC(MONTHS\_BETWEEN(today, dob)), 12);

-- Calculate the difference in days

diff\_day := dob + (diff\_year \* 365) + (diff\_month \* 30) - today;

-- Set OUT parameters

OUT\_years := diff\_year;

OUT\_months := diff\_month;

OUT\_days := diff\_day;

END;

/

DECLARE

v\_years NUMBER;

v\_months NUMBER;

v\_days NUMBER;

BEGIN

-- Call the Age\_calc function with a sample date of birth

Age\_calc(DATE '2000-01-15', v\_years, v\_months, v\_days);

-- Output the results using DBMS\_OUTPUT

DBMS\_OUTPUT.PUT\_LINE('Years: ' || v\_years);

DBMS\_OUTPUT.PUT\_LINE('Months: ' || v\_months);

DBMS\_OUTPUT.PUT\_LINE('Days: ' || v\_days);

END;

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