Q. Create Stored function title ‘Age\_calc’.

* Accept the date of birth of a person as a parameter
* Calculate the age of the person in years, months and days e.g. 3 years, 2 months, 10 days
* Return the age in years directly (with the help of Return statement)
* The months and days are to be returned indirectly in the form of OUT parameters.

**PL/SQL Block: -**

CREATE OR REPLACE FUNCTION Age\_calc(

dob IN DATE,

months OUT NUMBER,

days OUT NUMBER

) RETURN NUMBER IS

current\_date DATE := SYSDATE;

var\_years NUMBER;

var\_months NUMBER;

var\_days NUMBER;

BEGIN

var\_years := EXTRACT(YEAR FROM current\_date) - EXTRACT(YEAR FROM dob);

var\_months := EXTRACT(MONTH FROM current\_date) - EXTRACT(MONTH FROM dob);

IF var\_months < 0 THEN

var\_years := var\_years - 1;

var\_months := var\_months + 12;

END IF;

var\_days := EXTRACT(DAY FROM current\_date) - EXTRACT(DAY FROM dob);

IF var\_days < 0 THEN

var\_months := var\_months - 1;

var\_days := var\_days + EXTRACT(DAY FROM LAST\_DAY(ADD\_MONTHS(dob, var\_months + 1)));

IF var\_months < 0 THEN

var\_months := var\_months + 12;

var\_years := var\_years - 1;

END IF;

END IF;

days := var\_days;

months := var\_months;

RETURN var\_years;

END Age\_calc;

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DECLARE

dob DATE := TO\_DATE('24/04/2003', 'DD/MM/YYYY');

tempy NUMBER;

tempm NUMBER;

tempd NUMBER;

BEGIN

tempy := Age\_calc(dob, tempm,tempd);

dbms\_output.put\_line('Age: ' || tempy || ' years, ' || tempm || ' months, ' || tempd || ' days');

END;

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