**SIMPLE TASK**

**1. create four separate functions to do addition, subtraction, multiplication, division of two inputs**

create or replace FUNCTION adding(moon\_1 NUMBER ,moon\_2 NUMBER)

RETURN NUMBER

AS

sun NUMBER;

BEGIN

sun := moon\_1 + moon\_2;

RETURN sun;

END;

SELECT adding(50,80) FROM DUAL;

create or replace FUNCTION subtract(beauty\_1 NUMBER ,beauty\_2 NUMBER)

RETURN NUMBER

AS

beast NUMBER;

BEGIN

beast := beauty\_1 - beauty\_2;

RETURN beast;

END;

SELECT subtract(50,60) FROM DUAL;

create or replace FUNCTION mul(life\_1 NUMBER ,life\_2 NUMBER)

RETURN NUMBER

AS

live NUMBER;

BEGIN

live := life\_1 \* life\_2;

RETURN live;

END;

SELECT mul(20,90) FROM DUAL;

create or replace FUNCTION hell(var\_1 NUMBER ,var\_2 NUMBER)

RETURN NUMBER

AS

varr NUMBER;

BEGIN

varr := var\_1 / var\_2;

RETURN varr;

END;

SELECT hell(10,20) FROM DUAL;

1. **Create a package called as arithmetic by including the above 4 functions**

CREATE OR REPLACE PACKAGE arith as

FUNCTION addition (MOON\_1 NUMBER,MOON\_2 NUMBER)RETURN NUMBER ;

function subtraction(BEAUTY\_1 NUMBER,BEAUTY\_2 NUMBER) return number;

function multiplication(LIFE\_1 NUMBER,LIFE\_2 NUMBER) return number;

function division(var\_1 NUMBER,var\_2 NUMBER) return number;

end;

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CREATE OR REPLACE PACKAGE body arith as

--addition

FUNCTION adding(moon\_1 NUMBER ,moon\_2 NUMBER)

RETURN NUMBER

AS

sun NUMBER;

BEGIN

sun := moon\_1 + moon\_2;

RETURN sun;

END;

--subtraction

FUNCTION subtract(beauty\_1 NUMBER ,beauty\_2 NUMBER)

RETURN NUMBER

AS

beast NUMBER;

BEGIN

beast := beauty\_1 - beauty\_2;

RETURN beast;

END;

--multiplication

FUNCTION mul(life\_1 NUMBER ,life\_2 NUMBER)

RETURN NUMBER

AS

live NUMBER;

BEGIN

live := life\_1 \* life\_2;

RETURN live;

END;

--division

FUNCTION hell(var\_1 NUMBER ,var\_2 NUMBER)

RETURN NUMBER

AS

varr NUMBER;

BEGIN

varr := var\_1 / var\_2;

RETURN varr;

END;

1. **call the function in select statement and in anonymous block**

SELECT arith.addition(50,80) FROM DUAL;

SELECT arith.subtraction(50,60) FROM DUAL;

SELECT arith.multiplication(20,90) FROM DUAL;

SELECT arith.division(10,20) FROM DUAL;