FUNCTIONS AND PACKAGE TASK.

--PRITHIVIRAJ.S

SET SERVEROUTPUT ON;

--FUNCTION FOR ADDITION OPERATION:-

CREATE OR REPLACE FUNCTION ADDITION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

ADDNUM NUMBER;

BEGIN

ADDNUM := NUM1+NUM2;

RETURN ADDNUM;

END;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('ADDITION OF TWO NUM'||' '|| ADDITION(2,3) );

END;

SELECT ADDITION(3,4) ADDITIONOPERATION FROM DUAL;

=========================================

--FUNCTION FOR SUBTRACTION OPERATION:-

CREATE OR REPLACE FUNCTION SUBTRACTION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

SUBNUM NUMBER;

BEGIN

SUBNUM:=NUM1-NUM2;

RETURN SUBNUM;

END;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('SUBTRACTION OF TWO NUM'||' '|| SUBTRACTION(10,5) );

END;

SELECT SUBTRACTION(8,2) SUBTRACTIONOPERATION FROM DUAL;

=======================

--FUNCTION FOR MULTIPLICATION OPERATION:-

CREATE OR REPLACE FUNCTION MULTIPLICATION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

MULNUM NUMBER;

BEGIN

MULNUM:=NUM1\*NUM2;

RETURN MULNUM;

END;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('MUL OF TWO NUM'||' '|| MULTIPLICATION(10,5) );

END;

SELECT MULTIPLICATION(8,2) MULOPERATION FROM DUAL;

====================================================

--FUNCTION FOR DIVISION OPERATION:-

CREATE OR REPLACE FUNCTION DIVISION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

DIVNUM NUMBER;

BEGIN

DIVNUM:=NUM1/NUM2;

RETURN DIVNUM;

END;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('DIV OF TWO NUM'||' '|| DIVISION(10,5) );

END;

SELECT DIVISION(8,2) DIVOPERATION FROM DUAL;

=================================================

--PACKAGE

CREATE OR REPLACE PACKAGE ADDITIVE

IS

FUNCTION ADDITION(NUM1 NUMBER,NUM2 NUMBER) RETURN NUMBER;

FUNCTION SUBTRACTION(NUM1 NUMBER,NUM2 NUMBER)RETURN NUMBER;

FUNCTION MULTIPLICATION(NUM1 NUMBER,NUM2 NUMBER)RETURN NUMBER;

FUNCTION DIVISION(NUM1 NUMBER,NUM2 NUMBER)RETURN NUMBER;

END ADDITIVE;

CREATE OR REPLACE PACKAGE BODY ADDITIVE

IS

FUNCTION ADDITION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

ADDNUM NUMBER;

BEGIN

ADDNUM := NUM1+NUM2;

RETURN ADDNUM;

END ADDITION;

FUNCTION SUBTRACTION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

SUBNUM NUMBER;

BEGIN

SUBNUM:=NUM1-NUM2;

RETURN SUBNUM;

END SUBTRACTION;

FUNCTION MULTIPLICATION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

MULNUM NUMBER;

BEGIN

MULNUM:=NUM1\*NUM2;

RETURN MULNUM;

END MULTIPLICATION;

FUNCTION DIVISION(NUM1 NUMBER,NUM2 NUMBER)

RETURN NUMBER

IS

DIVNUM NUMBER;

BEGIN

DIVNUM:=NUM1/NUM2;

RETURN DIVNUM;

END DIVISION;

END ADDITIVE;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('ADDITION OF TWO NUM'||' '||ADDITIVE.ADDITION(2,3) );

END;

SELECT ADDITIVE.ADDITION(3,4) ADDITIONOPERATION FROM DUAL;

===========

BEGIN

DBMS\_OUTPUT.PUT\_LINE('SUBTRACTION OF TWO NUM'||' '||ADDITIVE.SUBTRACTION(10,5) );

END;

SELECT ADDITIVE.SUBTRACTION(8,2) SUBTRACTIONOPERATION FROM DUAL;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('MUL OF TWO NUM'||' '|| ADDITIVE.MULTIPLICATION(10,5) );

END;

SELECT ADDITIVE.MULTIPLICATION(8,2) MULOPERATION FROM DUAL;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('DIV OF TWO NUM'||' '|| ADDITIVE.DIVISION(10,5) );

END;

SELECT ADDITIVE.DIVISION(8,2) DIVOPERATION FROM DUAL;

=======