*Exercise:*

*Date: 11.10.2024*

*Aim: Local procedure to calculate the sum of two numbers.*

***declare***

***procedure*** *calculate\_sum(num1 in number, num2 in number)*

***begin***

*dbms.output.put.line('sum of '|| ' and ' || num2 || ' is: ' || (num1 + num2));*

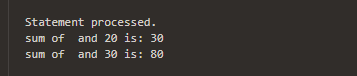
*end calculate\_sum;*

***begin***

*calculate\_sum(10, 20);*

*calculate\_sum(50, 30);*

***end****;*

**

*Exercise:*

*Date: 11.10.2024*

*Aim: Create or replace procedure and make a function.*

***create or replace******procedure*** *calculate\_sum(*

*num1 in number,*

*num2 in number,*

*result out number*

*)* ***is***

***begin***

*result:= num1 + num2;*

***end*** *calculate\_sum;*

***declare***

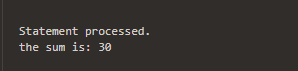
*sum\_result number;*

***begin***

*calculate\_sum(10, 20, sum\_result);*

*dbms\_output.put\_line('the sum is: ' || sum\_result);*

***end****;*

**

*Exercise:*

*Date: 11.10.2024*

*Aim: Create a local procedure divide by zero and handle exception.*

***create or replace procedure*** *divide\_numbers(*

*num1 in number,*

*num2 in number,*

*result out number*

*)* ***is***

***begin***

***if*** *num2 = 0 then*

*raise\_application\_error(-20001, 'Division by zero is not allowed');*

***else***

*result:= num1 / num2;*

***end if****;*

***exception***

***when others then***

*dbms\_output.put\_line('error: ' || sqlerrm);*

***end*** *divide\_numbers;*

***declare***

*divide\_result number;*

***begin***

*divide\_numbers(10, 0, divide\_result);*

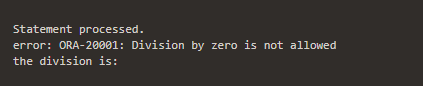
*dbms\_output.put\_line('the division is:' || divide\_result);*

***end****;*

*output 1: normal division*

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*output 2: when division is performed by 0*

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