EXERCISE 1

AIM: To Define a local procedure and calculate and display the sum of two numbers.

DECLARE

OUTPUT:

= ○ Live SQL

SQL Worksheet

Statement processed. sum of and 20 is: 30 sum of and 30 is: 80

EXERCISE 2

AIM: to demonstrate a simple PL/SQL procedure that calculates the sum of two numbers and outputs the result.

```
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;
```

OUTPUT:



SQL Worksheet

Procedure created.



SQL Worksheet

Statement processed.

the sum is: 30

EXERCISE 3

AIM: to demonstrate a PL/SQL procedure for dividing two numbers with error handling for division by zero.

```
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, 20, divide_result);
       dbms_output.put_line('the division is:' || divide_result);
end;
```

OUTPUT:



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SQL Worksheet

Procedure created.

Statement processed. the division is:.5

IF WE REPLACE DIVISOR BY ZERO THEN OUTPUT:



SQL Worksheet

Procedure created.

Statement processed.

error: ORA-20001: Division by zero is not allowed

the division is: