# PL-SQL (Lab-2)

## (Procedures and Functions in PL/SQL)

1. Create table EMP (eno, ename, bp, da, hra, total). Initially, the 'total' column values for all the employees are null. Write a stored procedure that accepts the eno of an employee as an input and computes his total by adding bp + da + hra. Your pl/sql code should send the total to the main block for printing and update it on the emp table.

2. Write a local function that will accept a number as an input, compute it factorial, and send it to the main block for printing.

3. Write a stored procedure that will accept a number, check whether positive, negative or zero and accordingly print the message.

4. Write a stored function that will find the sum of elements from 1 to n and send the result to the main block. 'n' should send as the input to the called function.

5. Write a local procedure that will accept two ranges n1 and n2, find the sum of the average of elements between these ranges and return the result to the main block.

6. Write a recursive function to display 'hello world' 10 times on the screen. The function should accept the string as input from the main block.

   Consider a table student (rollno number, name varchar (30), sub-id number, mark1 number, mark2 number, mark3 number). **Q7-Q10** are based on the student table.
7. Write a stored procedure 'p1', which will accept the rollno of a student as the input, and then find the sum of the three subject marks and keep it in a variable 'total'. Send this 'total' to the main block of the program and display it.

8. Write a local function 'fun2', which will call the procedure 'p1' of Q7 by passing the rollno of a student. It then finds the average of the total marks and stores it in a variable 'avg'. Send this 'avg' to the main block of the program and display it.

9. Write a stored function 'fun3' which will accept the rollno of a student as the input and return the highest marks among the three subjects to the main block.

10. Write a local procedure p2, which will call the procedure 'p1' of Q7 by passing the rollno of a student. It then received the total marks from the procedure 'p1' and sent the student's three subject marks and the total marks to the main block for printing.