

## AIE303 PLSQL Class work

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a. Write a function that accepts two numbers and returns their sum

```
CREATE OR REPLACE function add_numbers(IN a INT, IN b INT, OUT c INT) AS
$$
BEGIN
    c:=a+b;
END;
$$ LANGUAGE plpgsql;
```

b. Write a function that accepts an employee number and returns the salary of that person  
Emp(eno, ename, sal, dno)

```
CREATE OR REPLACE FUNCTION get_salary(IN e_number Emp.eno%type, OUT
salary Emp.sal%type) AS

$$
BEGIN
    SELECT sal INTO salary FROM Emp WHERE e_number = eno;
END;
$$ LANGUAGE plpgsql;
```

c. Create a function that considers the employee number and returns the salary and department number of that employee.

```
CREATE OR REPLACE FUNCTION get_sal_dno(IN e_number Emp.eno%type, OUT
salary Emp.sal%TYPE, OUT department_no Emp.dno%TYPE) AS
$$
BEGIN
    SELECT dno, sal INTO department_no, salary FROM Emp WHERE
e_number = eno;
END;
$$ LANGUAGE plpgsql;
```

d. Write a function that accepts a salesperson's number and check if the salesperson is eligible for getting commission or not. NOTE: the column is initially empty(filled with NaNs)

A salesperson is eligible for commission only if he has sold a total of 1000 or more products put together. If the salesperson is eligible, update the commission amount from the corresponding salesperson in the salesperson relation.\$

```
CREATE OR REPLACE FUNCTION comm_eligible(IN sno Salesperson.sl_no%TYPE)
AS
$$
DECLARE total_quantity Salesperson.sal%TYPE;
BEGIN
    SELECT SUM(qty_sold) INTO total_quantity FROM Sales WHERE sl_no
=sno;
    IF total_quantity >=1000 then
        UPDATE Salesperson SET comm = True;
    ELSE
        UPDATE Salesaperon SET comm = False;
    ENDIF
END
$$ LANGUAGE plpgsql;
```