

## Exercicises Procedures I: Basic and Conditionals

/\*1. Within the world database, create a procedure that allows inserting new data into the City table.

/\*2. In the World database, create a procedure that gives a city, returns the recompense of its inhabitants per screen together with its country.

/\*3. In the northwind DB, create the procedure calcIVA to the database of procedures that gives 2 input parameters FLOAT (price and VAT) and one output with the final price increased by the cost.

Make a CALL with an undeclared variable.

\*/

/\*4. In the World database, create a procedure that gives a language, keeps in a fitxer the countries that speak it. \*/

/\*5. Also in the World database, modify the previous exercise so that the name of the resulting file is

resultant sigui: NOM\_LLENGUA.txt on NOM\_LLENGUA òbviament s'adapta al valor de a llengua passada per paràmetre, no en text literal.

/\*6. In the BD World, given the id of a country, it shows on screen how many languages are spoken there as well as the number of cities it has. These two values also have to be passed as output parameters.

/\*7. In the World DB, create a procedure to export the data from the CountryLanguage table. The name of the fitxer has to be passed as a parameter of the user's choice.

/\*8. Create a procedure to backup all the tables in the World DB including the data. including the data. The name of the new tables must include "\_YYYYYYYYMMDD" with the date of the current day.

/\*9. Using PL/SQL you develop a calculator using CASE and IF.

In any database, create a procedure with 4 parameters of type FLOAT: (IN pNum1, IN pNum2, IN pOperation, OUT pResult).

Depending on the value of the pOperation (+, -, \*, /) the procedure will do one action or another and return the result variable.

You have to avoid that the program fails when doing a division by 0. It shows ERROR and returns the value -1.

Delivery:

Deliver the complete code of the calculator in a fitxer: CognomNom\_Calc.sql.  
Provide another .sql file with a CALL for example: CognomNom\_CallCalc.sql.\*/\*

/\*10. Exercises of loops and for's: To the northwind DB, make a loop that goes through all the Categories table and searches if there is a category with the name "Seafood" (use the Northwind DB) without cursors).

Checked steps:

- a) Loop from 1 to 10 or with total number of categories.
- b) Search for category name where id = loop counter
- c) Check if the category = seafood
- d) If yes, show message, otherwise keep searching\*/