

In this lab, you will learn how to define and create cursors in PL/SQL. Before you start your lab, please follow the instructions below:

1. Start the Virtual Machine located on your local machine.
2. Login into the windows operating system using the following credentials- username: test, password: test.
3. Start and login into SQL\*Plus using the following credentials- username: system, password: test.
4. Create a new user and grant him/her the necessary roles to access, create and manipulate a database schema. (search the web for additional information if necessary)
5. Connect to SQL\*Plus using the newly created user.
6. Download the script BDD.sql found on ecourses.
7. Run the script in the SQL\*Plus to create the database schema and to insert the data.

### **To do**

1. Create a stored procedure `associate_emp_dept` to associate an employee with a department. `associate_emp_dept` takes an employee's name and a department as parameters. It should raise an exception if the employee does not exist in the table.
2. Create a stored procedure `app_emp_dept` to display all the employees in the table `emp`. The procedure must raise an error if an employee has a salary greater than 6000\$.
3. Create a PL/SQL Script to display the number of employees working in a given department. You should use nested PL/SQL blocs to achieve the desired results. In the first bloc make sure to verify that the given department is valid.

**Please make sure to turn off the virtual machine and delete the changes before you leave the classroom!!!!**

**Have fun and remember: No Luck Just Skill!**