

SET 3 – Explicit cursors

Exercises / assignments

1. Write an anonymous PL/SQL block which displays an overview of employees for a given job. Sort the list alphabetically on last name. The use of an explicit cursor is mandatory.

```
old 9: open c_emp(upper('&Give_job_id'));
new 9: open c_emp(upper('it_prog'));
Alexander Hunold
Bruce Ernst
David Austin
Valli Pataballa
Diana Lorentz
PL/SQL procedure successfully completed.
```

2. Write an anonymous PL/SQL block which displays an overview of employees per department for all departments. Make use of a cursor for loop. (Check the *'buffer overflow'* information in the introduction of the practical in week 1)

```
10-ADMINISTRATION:
-- Whalen, Jennifer
20-MARKETING:
-- Fay, Pat
-- Hartstein, Michael
30-PURCHASING:
-- Baida, Shelli
-- Colmenares, Karen
-- Himuro, Guy
-- Khoo, Alexander
-- Raphaely, Den
-- Tobias, Sigal
40-HUMAN RESOURCES:
-- Mavris, Susan
50-SHIPPING:
-- Atkinson, Mozhe
-- Bell, Sarah
-- Bissot, Laura
-- Bull, Alexis
-- Cabrio, Anthony
.....
```

3. Write an anonymous PL/SQL block to raise the salaries with 5%. Take care of the following:
- The employees with the lowest salary receives the salary raise of 5% first. Next the employee with the second lowest salary and so on. The employee with the highest salary gets his or hers salary raise last.
 - The maximum amount to be spend on the salary raise is € 15.000,-. If this amount is reached the salary raise is stopped. All other employees will not receive a raise! All employees who already got the raise keep it.
 - Display how many employees received the salary raise.
 - Display the exact amount spend on the salary raise.

```
number of raises: 13  
Amount spend: 14450  
PL/SQL procedure successfully completed.
```