

ASSIGNMENT- 6
PL/SQL (Functions, Procedures & Packages)

1. Write a PL/SQL main program and two functions which will do the following:

In the main program take as input the deptno and job. Pass the deptno to a function 'findloc'. This function will find the location of the department and send it back to the main program. Check whether the location is Mumbai or Chennai. If it is, call another function 'findtotjob' which will take as input the location and job and send back the total number of employees working at that location with that particular job title back to the main program.

Display appropriate messages and write the needful exceptions also.

2. Write a PL/SQL block that accepts an employee number from the user. The salary, commission, department number and job of this employee are passed to a procedure 'p1'. In the procedure check whether the salary is more than 10% of the commission and whether the employee is a manager. If both the conditions are true, increase the salary by 25% and send this new value back to the calling program. Also send the department name of department where this employee is working to the calling program. Update the record in the main program accordingly. Display appropriate messages and write the needful exceptions also.

3. Write a PL/SQL package which has the following objects:

A procedure 'p2' which accepts an employee number and a department number from the main program. It calls a function 'f2' with these parameters and the function returns 'true' if the employee is working in that department otherwise returns 'false'. In case the value is 'true', the procedure returns the total number of employees working in that department otherwise returns null. The package also has a constant 'title' which has the value 'Total Employees'. Use this constant in the procedure / calling program while displaying the requisite message. Write a calling program which uses this package.