

# DATABASE TRIGGERS LAB

1. Create trigger to audit the user updates in the employees for only salary column

Create new Table emp\_audit

With columns

employee\_id number(4), user\_name varchar2(100), upd\_time date , old\_sal number(8, 2) , new\_sal number(8, 2)

2- The rows in the JOBS table store a minimum and maximum salary allowed for different JOB\_ID values. You are asked to write code to ensure that employees' salaries fall in the range allowed for their job type.

3- Create instead of trigger on view "emps\_vu" to update control\_jobs\_sal table and store Min/Max Salary for the jobs after each insert / update on the view.[ change jobs scale]

Use this code for the view

```
create or replace view emps_vu
as select * from employees;
```

**create table**

```
create table control_jobs_sal
as select job_id, max_salary, min_salary
from jobs;
```

4- Create trigger on employees table that run upon insert, or update of hire\_date and check if the hired years extends 10 years; insert employee data to retired\_employees table ( emp\_id, retired\_notes) columns only as the previous lab

ex : emp named Lorentz last salary = 6400, last job = 'IT\_PROG'

5- Insert new country in countries table ; insert 2 locations in the previous country; insert 2 departments in the previous locations; insert 2 employees in the previous departments

Using insert statements

Then create trigger to cascade delete the created country;