

# Lab02 - Views

quarta-feira, 18 de setembro de 2024

17:36

```
mysql -u aid -p
```

```
use employees 'Database changed'
```

```
show tables;
```

- Create a view:

```
create or replace view curr_salaries(emp_no, salary) as
(the explicit column declaration means that regardless of the column names in
the SELECT statement, the view will always return these columns named emp_no and salary. Even
if the underlying salaries table changes its column names, the view will still use these explicitly
defined names. - If not defined the name will be of the underlying columns)
select emp_no, salary
from salaries
where from_date <= current_date and to_date >= current_date;
```

- Execute a view:

```
select * from curr_salaries limit 20;
```

```
show tables;
```

 - after creating the views, this command shows the views as well

*"Creating the **mediated schema***

*We will create the following global views to integrate data from both databases"*

- Query tables from different DBs:

```
select * from employees.employees limit 10;
select * from company.employees limit 10;
```

- Run the union query to retrieve job titles from both databases:

```
(select emp_no, title from employees.curr_titles limit 10)
union
(select employeeid, jobtitle from company.employees limit 10)
```

```
drop database employees; - stop using database in sql
source employees.sql;
use employees;
```

**CANNOT USE VIEW THAT SELECTED FROM EMPLOYEES IF A DROP TABLE EMPLOYEES (ALTHOUGH VIEW IS ALREADY CREATED AND APPEARS IN TABLES!**

## EXERCICIOS:

50)

- a) `select dept_name from departments  
order by dept_name asc;`
- b) `select departmentname from department  
order by departmentname asc;`
- c) `select dept_name from all_departments  
order by dept_name asc;`