

SQL Views Lab - review

Using the “small” courses data (read the files `courses-ddl.sql` and `courses-small.sql`)

1. In SQLite, define the ‘faculty’ view covered in lecture:

```
create view faculty as
select ID, name, dept_name
from instructor;
```

Examine the contents of the faculty view using `select * from faculty limit 10;`.

2. Define a view that gives the highest salary in each department. Name the view ‘max_dept_salary’. It should have fields ‘dept_name’ and ‘max_salary’.
3. Use the max_dept_salary view to find the average salary among the instructors who are the most highly paid in their departments.
4. Define an avg_dept_salary view and use it to define a query showing all instructors whose salary is greater than the average salary within their own department.
5. Delete the max_dept_salary view. Hint: to delete a table, you write ‘drop table <table_name>;’.