## Consider the following schema:

DEPT (*DEPTNO, DNAME, LOC*)

EMP (*EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO*)

**SIMPLE QUERIES:**

1. Who has any commission? (NOT NULL)

2. Whose boss is KING? (CROSS JOIN)

3. Which employees work on a department located at Boston or Chicago? (JOIN, NATURAL JOIN)

4. Which employees work on a department **not** located at Boston or Chicago? (MINUS)

5. Who earns more than 3000 or works on dept. 30? (UNION)

6. Who was hired before 01-06-1981? (DATE TYPE)

7. Which department (dname) hired at least three employee in 1981? (FUNCTIONS)

**SUBQUERIES:**

8. Who earns more than ALLEN?

9. Select the employees with their job who have the lowest/highest salary!

10. List the lowest salary for every department where the lowest salary is below the lowest salary of dept. 30

11. Who earns less than any/every CLERK?

**JOINS:**

12.Who has the same salary and works on the same department than MARTIN?

13.Which dept. has no employee? (OUTER JOIN or SUBQUERY with NOT EXIST )

14. Determine the number of employees for every dept.! (0 where the dept has no employee)

**GROUP BY, HAVING:**

15. What is the min/max. salary?

16. Who earns the min/max. salary?

17. What is the sum of salaries for every employee?

18. How much is the average salary at dept. 20?

19. How many different job exists?

20. Determine the average salary for every dept.!

21. Determine the average salary and the location for every dept.!

22. Determine the average salary for departments where this average salary is more than 2000!