

# Database Systems

## Lab 11

### JOINS (INNER JOIN, SELF JOIN, LEFT OUTER JOIN, RIGHT OUTER JOIN)

**Note:** Use existing EMPLOYEE and DEPARTMENT tables for this project

Start with following queries:

- Select \* from employee; (Use when required – non empty result)
- Select \* from department; (Use when required – non empty result)

Now perform followings:

- 1) Display employee number, employee name, department no and department name of employees working for any department
- 2) Displaying department details with its manager details
- 3) Display employee number, employee name, his/her manager id, manager name
- 4) Display employee number, employee name, department no and department name of employees working for any department with location Manager SSN =333445555
- 5) Display department name and number of employees working for that department
- 6) Display department name and number of employees working for that department.  
Consider only those department that have more than 2 employees in the department
- 7) Display number of persons working in department “Research”
- 8) Display employee name and employee number of employees who work in the same department as ‘JONES’ work. Display employees other than ‘JONES’.
- 9) Demonstrate left outer join on EMP and DEPT tables
- 10) Demonstrate right outer join on EMP and DEPT tables