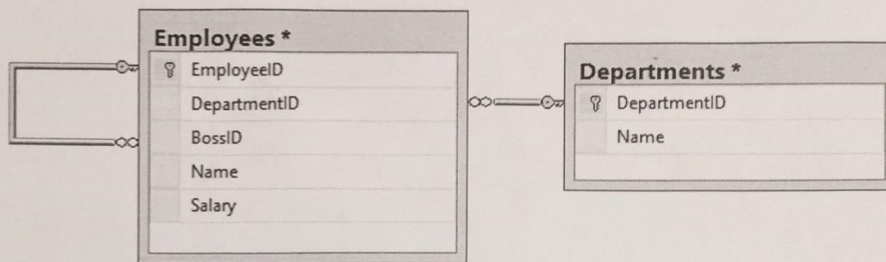


## SQL Challenge



1. List all employees (names) that work in the Finance department

~~SELECT \*~~

~~FROM Employees e~~

~~WHERE DepartmentID = finance~~

SELECT e.Name as 'finance\_employees'

FROM Employees e

JOIN Departments

ON e.DepartmentID =

d.DepartmentID

WHERE d.Name = 'Finance';

2. List all departments along with the number of people there

SELECT d.Name as 'departments', COUNT(\*) num-people

FROM Departments d

JOIN Employees e

ON d.DepartmentID = e.DepartmentID

GROUP BY d.Name;

3. List employees (names) who have a bigger salary than their boss

SELECT e.Name as 'special-employees'

FROM Employees e

JOIN Employees e2

ON e.EmployeeID = e2.BossID

WHERE e.Salary > e2.Salary;

4. List employees who have the biggest salary in their departments

SELECT d.Name as 'department', e.Name as 'employee', Max(e.Salary) as 'Salary'

FROM Employees e

JOIN Departments d

ON e.DepartmentID = d.DepartmentID

GROUP BY d.Name, e.Name;

5. List departments that have less than 3 people in it

SELECT d.Name as 'department' FROM Departments d

JOIN Employees e

ON d.DepartmentID = e.DepartmentID

GROUP BY d.Name

HAVING COUNT(e.EmployeeID) < 3;

6. List employees that don't have a boss in the same department

SELECT e.Name as 'noboss-employee'

FROM Employees e

JOIN Employees e2

ON e.EmployeeID = e2.BossID

WHERE e2.BossID is NULL

OR e.DepartmentID != e2.DepartmentID;