

Exercise 3.1

(practical part)

Exercise 3.2

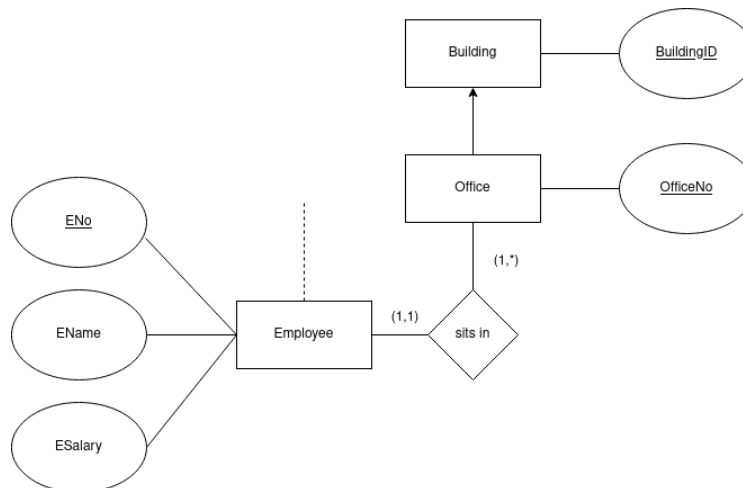
Entities:

- Supplier(SName)
- Company(CName)
- Department(DName, ENo Budget, CName)
- HeadOfDepartment(ENo, DName, Bonus) (Vertical partitioning) or Head of Departement(ENo, EName, ESalary, Bonus) (Horizontal partitioning)
- Employee(ENo, EName, ESalary, DName)

Relations:

- has(SName, CName)
- affiliated(PCName, SCName, Percentage)
- leads(), owns() and works() "is not needed" after merging their respective relations.

Exercise 3.3



- Employee(ENo, OfficeNo, BuildingID, EName, ESalary, DName)
- Building(BuildingID)
- Office(OfficeNo, BuildingID)