

Type(Type_id,Type_name)

Hotel(hotel_id,Hotel_name,#Type_id)

Room(Room_id,Floor,#Hotel_id,#Category_id)

Category(Category_id,Category_name,price,beds_number)

Employee(Employee_id,Employee_Name,Employee_Speciality,#hotel_id,#director_id)

Employee have a Reflexive relation? An employee can lead N employee but an employee is directed by only one lead.