



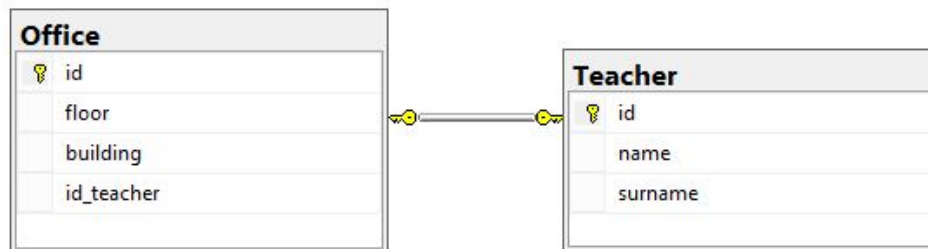
# Resumen relaciones Hibernate



**Bases de Datos - 38210**  
Master Oficial en Desarrollo  
de Aplicaciones y Servicios  
Web

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# Relaciones 1:1



```
@Entity
@Table(name="OFFICE")
public class Office {

    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    @Column(name="id")
    private int id;

    @Column(name="building")
    private String building;

    @Column(name="floor")
    private int floor;

    @OneToOne
    @JoinColumn(name="id_teacher", nullable=false)
    private Teacher teacher;
```

```
@Entity
@Table(name="TEACHER")
public class Teacher {

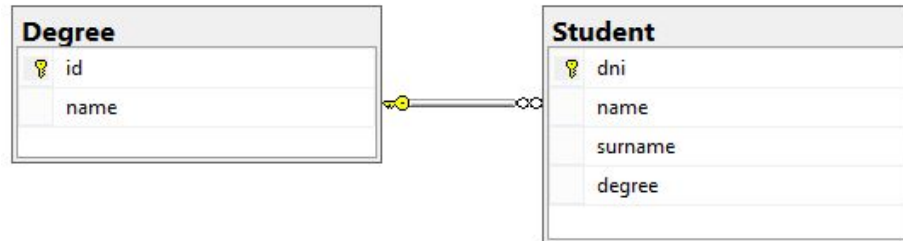
    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    @Column(name="id")
    private int id;

    @Column(name="name")
    private String name;

    @Column(name="surname")
    private String surname;

    @OneToOne(mappedBy="teacher")
    private Office office;
```

# Relaciones 1:N



```
@Entity
@Table(name="DEGREE")
public class Degree {

    @Id
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    @Column(name="id")
    private int id;

    @Column(name="name")
    private String name;

    @OneToMany(mappedBy="degree")
    private Set<Student> studentsset;
```

```
@Entity
@Table(name="STUDENT")
public class Student {

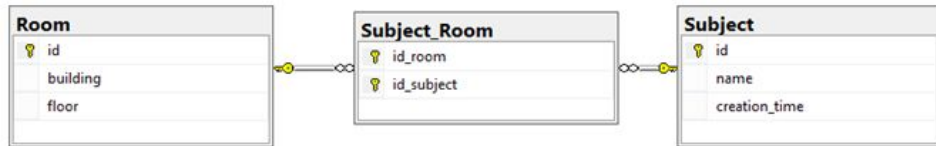
    @Id
    @Column(name="dni")
    private String dni;

    @Column(name="name")
    private String name;

    @Column(name="surname")
    private String surname;

    @ManyToOne
    @JoinColumn(name="degree", nullable=false)
    private Degree degree;
```

# Relaciones M:N



```
@Entity
@Table(name="ROOM")
public class Room {

    @Id
    @Column(name="id")
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    private int id;

    @Column(name="building")
    private String building;

    @Column(name="floor")
    private int floor;

    @ManyToMany(mappedBy = "rooms")
    private Set<Subject> subjects;
```

```
@Entity
@Table(name="SUBJECT")
public class Subject {

    @Id
    @Column(name="id")
    @GeneratedValue(strategy=GenerationType.IDENTITY)
    private int id;

    @Column(name="name")
    private String name;

    @Column(name="creation_time")
    private Date creationTime;

    @ManyToMany
    @JoinTable(name = "Subject_Room",
        joinColumns = { @JoinColumn(name = "id_subject") },
        inverseJoinColumns = { @JoinColumn(name = "id_room") })
    private Set<Room> rooms;
```