

```

public class Customer {
    @Id
    private String email;

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

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

    @OneToMany(mappedBy = "customer")
    private List<Order> orders = new ArrayList<>();
}

```

```

public class Order {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int oid;

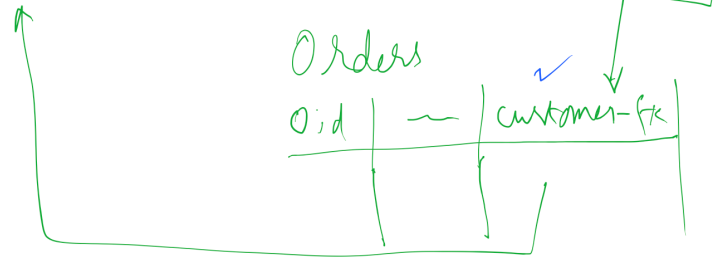
    @Temporal(TemporalType.TIMESTAMP)
    @Column(name = "order_date")
    private Date orderDate = new Date(); // system date

    private double total; // computed

    @ManyToOne
    @JoinColumn(name = "customer_fk")
    private Customer customer;
}

```

BIDIRECTIONAL



```

@Entity
@Table(name="employees")
public class Employee {
    @Id
    int eid;
    String name;
}

```

```

@Entity
@Table(name="laptops")
public class Laptop {
    @Id
    String serialNo;

    String make;

    @OneToOne
    @JoinColumn(name="employee_fk")
    Employee employee;
}

```

Employees

eid	name
123	
124	
125	

Laptops

serialNo	make	employee_fk
2Lw	Mac	123 125
4XW	Intel	124
X2Y126	M2	123

```

@Entity
@Table(name="employees")
public class Employee {
    @Id
    int eid;
    String name;

    @OneToOne(mappedBy="employee")
    Laptop laptop;
}

```

```

@Entity
@Table(name="laptops")
public class Laptop {
    @Id
    String serialNo;

    String make;

    @OneToOne
    @JoinColumn(name="employee_fk")
    Employee employee;
}

```

Employees

eid	name	laptop-fk
123		X24126
124		LXW
125		2LW ~

laptops

serialNo	make	employee-fk
2LW ~	Mac	123 125
LXW	Intel	124
X24126	M2	123