Using the previously created Customer entity and the new Orders entity, create a one-to-one mapping for both entities.

Attribute for Orders Class (orders.java):

- private Integer orderld
- private String orderDate
- private Double amount

Create repository classes for the Order entity.

#### Code -

#### Customer.java(Entity)

```
@NotNull(message = "Mobile number must not be null")
@NotEmpty(message = "Mobile number must not be empty")
@Pattern(regexp = "\d{10}", message = "Mobile number must be exactly 10 digits")
private String mobileNo;
          @Min(value = 10000, message = "Salary must be at least 10,000")
@Max(value = 50000, message = "Salary must not exceed 50,000")
private double salary;
60e
         @Column(name = "created_at", updatable = false)
private Instant createdAt;
70e
72
739
          @Column(name = "modified_at")
          private Instant modifiedAt;
76e
          @NotNull(message = "Address must not be null")
          private String address; // Added address field
          @PrePersist
               createdAt = Instant.now();
                         void onUpdate() {
              modifiedAt = Instant.now();
84e
            @PreUpdate
            protected void onUpdate() {
                   modifiedAt = Instant.now();
```

```
89●
       @OneToOne(mappedBy = "customer", cascade = CascadeType.ALL)
        private Orders order;
96●
        public Long getId() {
           return id;
        public void setId(Long id) {
1000
           this.id = id;
101
102
103
104
        public String getFirstName() {
105
           return firstName;
106
107
        public void setFirstName(String firstName) {
1080
            this.firstName = firstName;
109
110
111
1120
        public String getLastName() {
113
            return lastName;
        }
L14
115
```

```
public void setFirstName(String firstName) {
             this.firstName = firstName;
110
111
         public String getLastName() {
             return lastName;
         public void setLastName(String lastName) {
    this.lastName = lastName;
         public String getEmail() {
120●
             return email;
         public void setEmail(String email) {
    this.email = email;
         public String getPassword() {
             return password;
         public void setPassword(String password) {
              this.password = password;
136•
         public String getConfirmPassword() {
            return confirmPassword;
138
```

```
public void setConfirmPassword(String confirmPassword) {
41
            this.confirmPassword = confirmPassword;
42
43
440
       public String getAddress() {
45
           return address;
46
47
.48e
       public void setAddress(String address) {
49
           this.address = address;
.50
.51
L52e
       public String getMobileNo() {
           return mobileNo;
L56e
       public void setMobileNo(String mobileNo) {
           this.mobileNo = mobileNo;
L60<del>0</del>
       public double getSalary() {
61
           return salary;
62
63
64
       public void setSalary(double salary) {
.65
           this.salary = salary;
166
67
       public Instant getCreatedAt() {
68
169
           return createdAt;
.70
       }
```

```
public Instant getCreatedAt() {
L69
            return createdAt;
L70
       }
L71
L72●
       public void setCreatedAt(Instant createdAt) {
L73
            this.createdAt = createdAt;
L74
L75
       public Instant getModifiedAt() {
L76●
L77
            return modifiedAt;
L78
L79
L80e
       public void setModifiedAt(Instant modifiedAt) {
            this.modifiedAt = modifiedAt;
L84•
       public Orders getOrder() {
           return order;
       }
L86
L88e
       public void setOrder(Orders order) {
            this.order = order;
       }
192 }
```

### Orders.java(Entity)

```
package com.ProductRestApi.model;
30 import jakarta.persistence.Entity;
11 @Entity
12 public class Orders {
      @GeneratedValue(strategy = GenerationType.IDENTITY)
      private Integer orderId;
      @NotNull(message = "Order date must not be null")
       private String orderDate;
      @NotNull(message = "Amount must not be null")
       private Double amount;
       @OneToOne
       @JoinColumn(name = "customer_id", referencedColumnName = "id")
       private Customer customer;
       public Integer getOrderId() {
           return orderId;
       public void setOrderId(Integer orderId) {
33●
          this.orderId = orderId;
37●
       public String getOrderDate() {
          return orderDate;
```

```
public void setOrderDate(String orderDate) {
12
           this.orderDate = orderDate;
43
       }
14
15●
       public Double getAmount() {
16
           return amount;
18
19e
       public void setAmount(Double amount) {
50
           this.amount = amount;
51
52
53e
       public Customer getCustomer() {
54
           return customer;
55
56
57●
       public void setCustomer(Customer customer) {
58
           this.customer = customer;
59
50
51 }
```

#### OrdersController.java

```
### Serial Control Con
```

## OrdersService.java

```
3@import java.util.List;
4 import java.util.Optional;
6 import org.springframework.beans.factory.annotation.Autowired;
7 import org.springframework.stereotype.Service;
9 import com.ProductRestApi.model.Orders;
10 import com.ProductRestApi.repository.OrdersRepository;
13 public class OrdersService {
       @Autowired
       private OrdersRepository ordersRepository;
       public Orders saveOrder(Orders order) {
          return ordersRepository.save(order);
       public List<Orders> getAllOrders() {
          return ordersRepository.findAll();
       public Optional<Orders> getOrderById(Integer orderId) {
          return ordersRepository.findById(orderId);
       public void deleteOrder(Integer orderId) {
           ordersRepository.deleteById(orderId);
34 }
```

# OrdersRepository.java

```
package com.ProductRestApi.repository;

import org.springframework.data.jpa.repository.JpaRepository;

import com.ProductRestApi.model.Orders;

public interface OrdersRepository extends JpaRepository<Orders, Integer>{

9 }
10
```