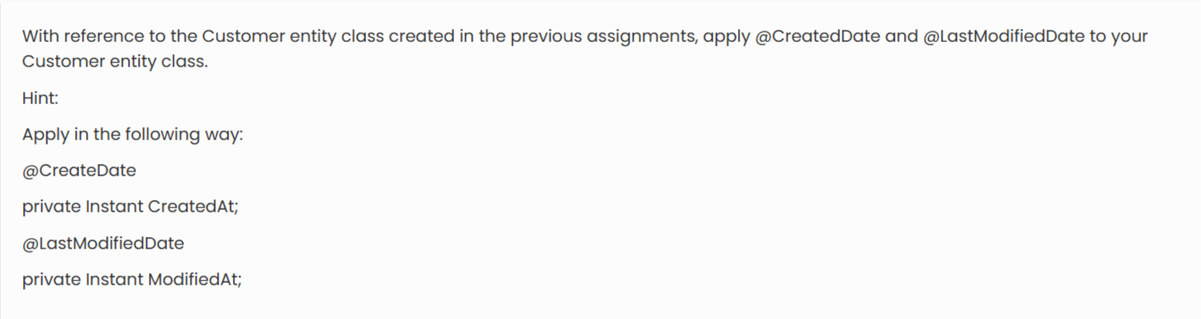


With reference to the Customer entity class created in the previous assignments, apply @CreatedDate and @LastModifiedDate to your Customer entity class.

Hint:

Apply in the following way:

@CreateDate

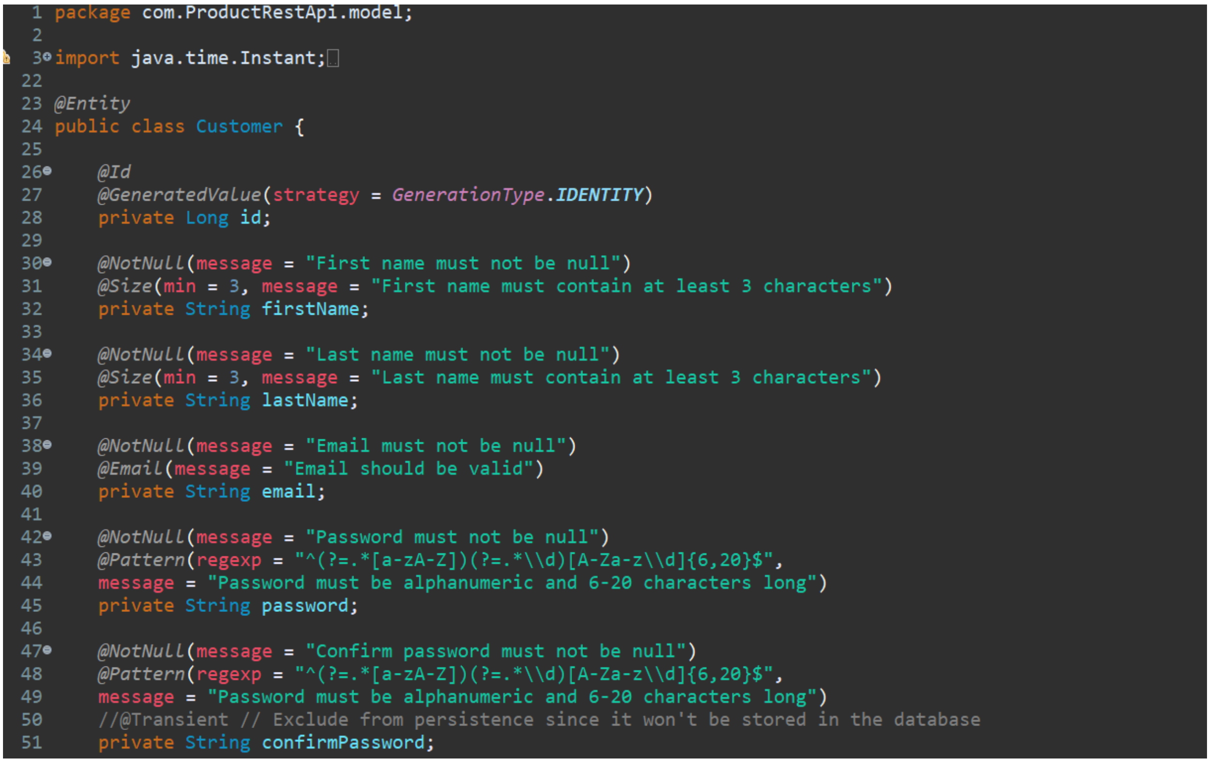
private Instant CreatedAt;

@LastModifiedDate

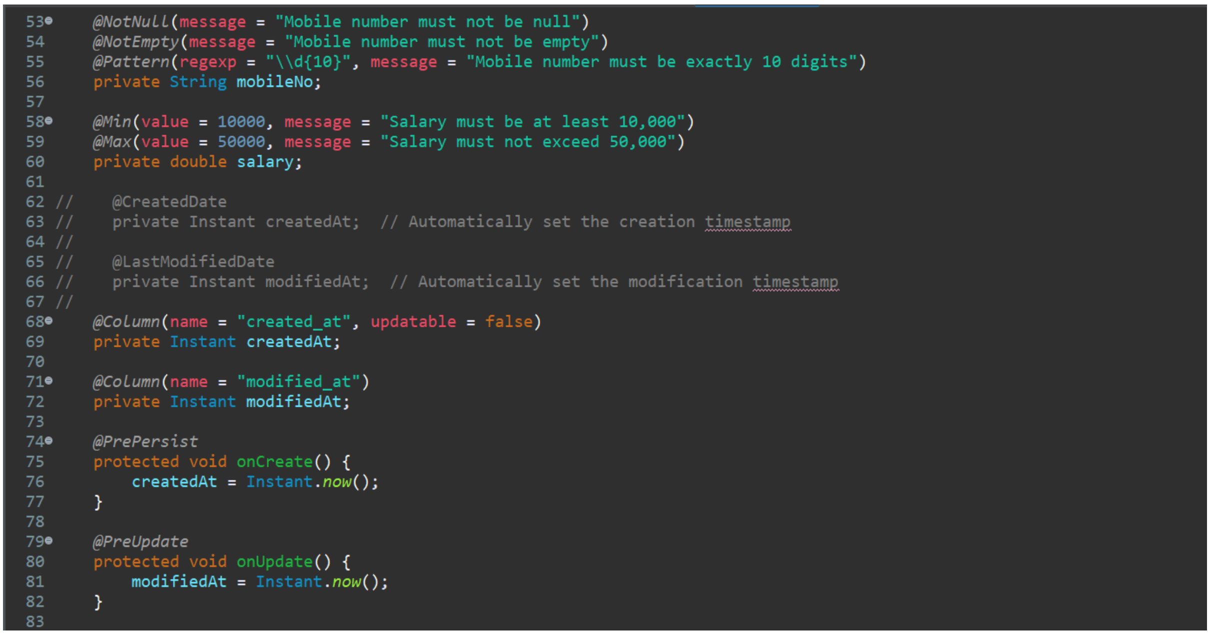
private Instant ModifiedAt;

Code

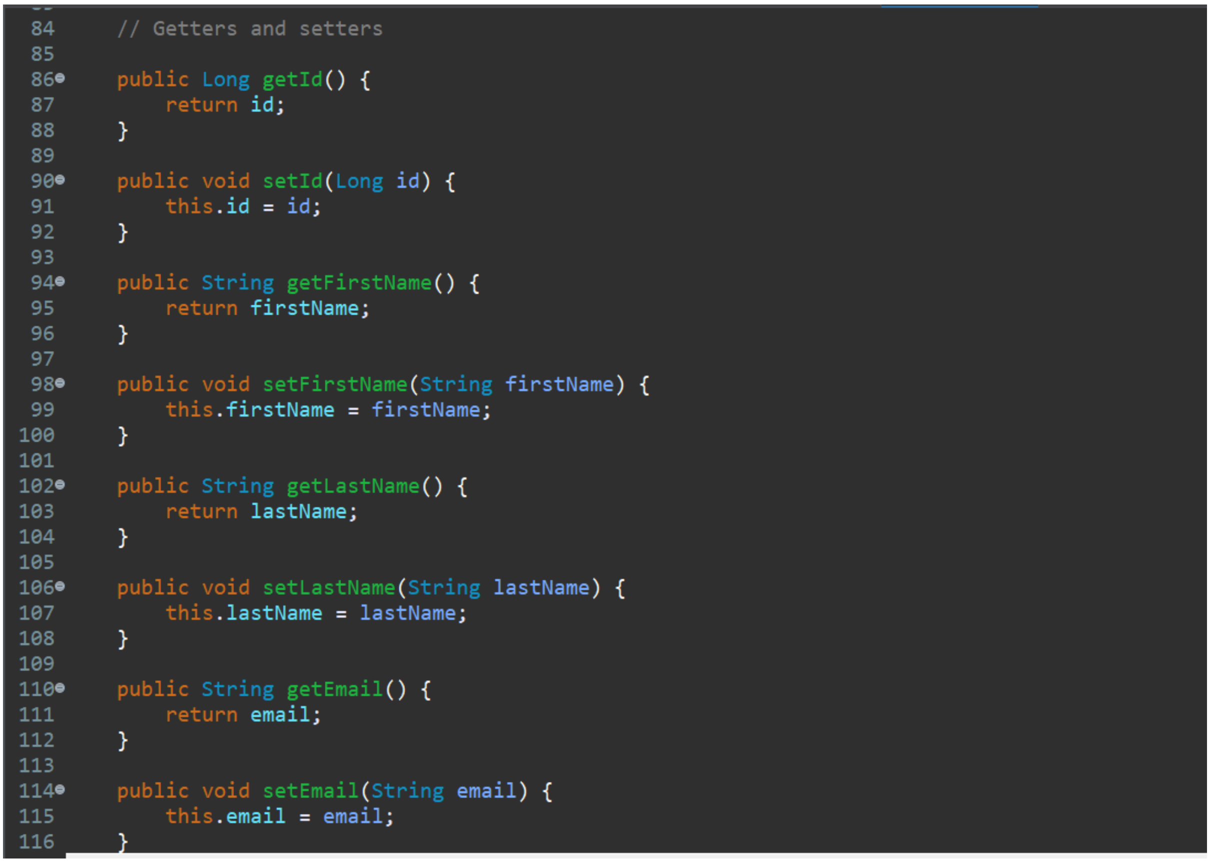
Updated Customer.java (Entity)



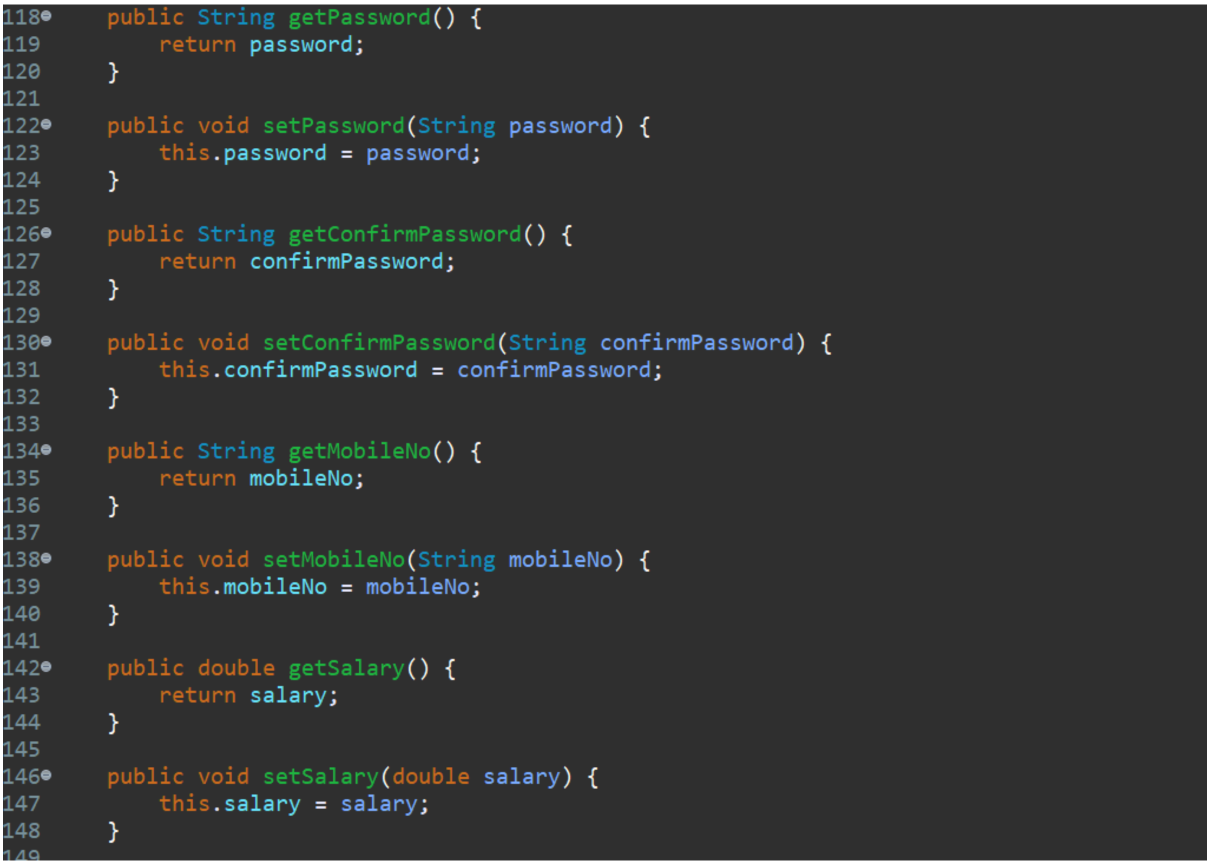
```java
package com.ProductRestApi.model;

import java.time.Instant;
	
@Entity
public class Customer {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;

    @NotNull(message = "First name must not be null")
    @Size(min = 3, message = "First name must contain at least 3 characters")
    private String firstName;

    @NotNull(message = "Last name must not be null")
    @Size(min = 3, message = "Last name must contain at least 3 characters")
    private String lastName;

    @NotNull(message = "Email must not be null")
    @Email(message = "Email should be valid")
    private String email;

    @NotNull(message = "Password must not be null")
    @Pattern(regexp = "^(?=.*[a-zA-Z])(?=.*\\d)[A-Za-z\\d]{6,20}$",
    message = "Password must be alphanumeric and 6-20 characters long")
    private String password;

    @NotNull(message = "Confirm password must not be null")
    @Pattern(regexp = "^(?=.*[a-zA-Z])(?=.*\\d)[A-Za-z\\d]{6,20}$",
    message = "Password must be alphanumeric and 6-20 characters long")
    //@Transient // Exclude from persistence since it won't be stored in the database
    private String confirmPassword;
```



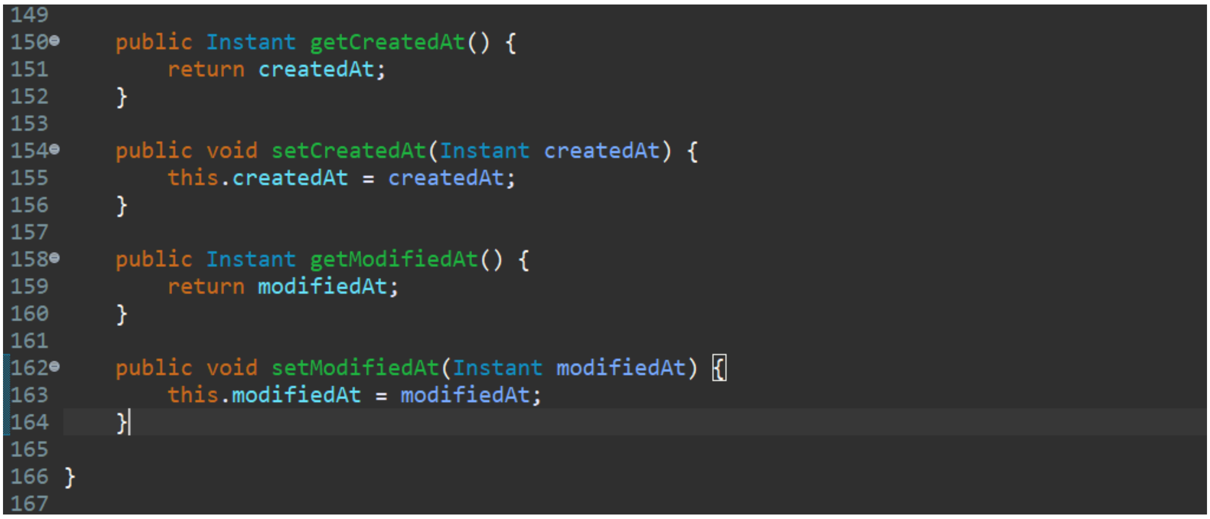
```java
    @NotNull(message = "Mobile number must not be null")
    @NotEmpty(message = "Mobile number must not be empty")
    @Pattern(regexp = "\\d{10}", message = "Mobile number must be exactly 10 digits")
    private String mobileNo;

    @Min(value = 10000, message = "Salary must be at least 10,000")
    @Max(value = 50000, message = "Salary must not exceed 50,000")
    private double salary;

//    @CreatedDate
//    private Instant createdAt;  // Automatically set the creation timestamp
//
//    @LastModifiedDate
//    private Instant modifiedAt;  // Automatically set the modification timestamp
//
    @Column(name = "created_at", updatable = false)
    private Instant createdAt;

    @Column(name = "modified_at")
    private Instant modifiedAt;

    @PrePersist
    protected void onCreate() {
        createdAt = Instant.now();
    }

    @PreUpdate
    protected void onUpdate() {
        modifiedAt = Instant.now();
    }

```



```java
    // Getters and setters

    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        this.id = id;
    }

    public String getFirstName() {
        return firstName;
    }

    public void setFirstName(String firstName) {
        this.firstName = firstName;
    }

    public String getLastName() {
        return lastName;
    }

    public void setLastName(String lastName) {
        this.lastName = lastName;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }
```

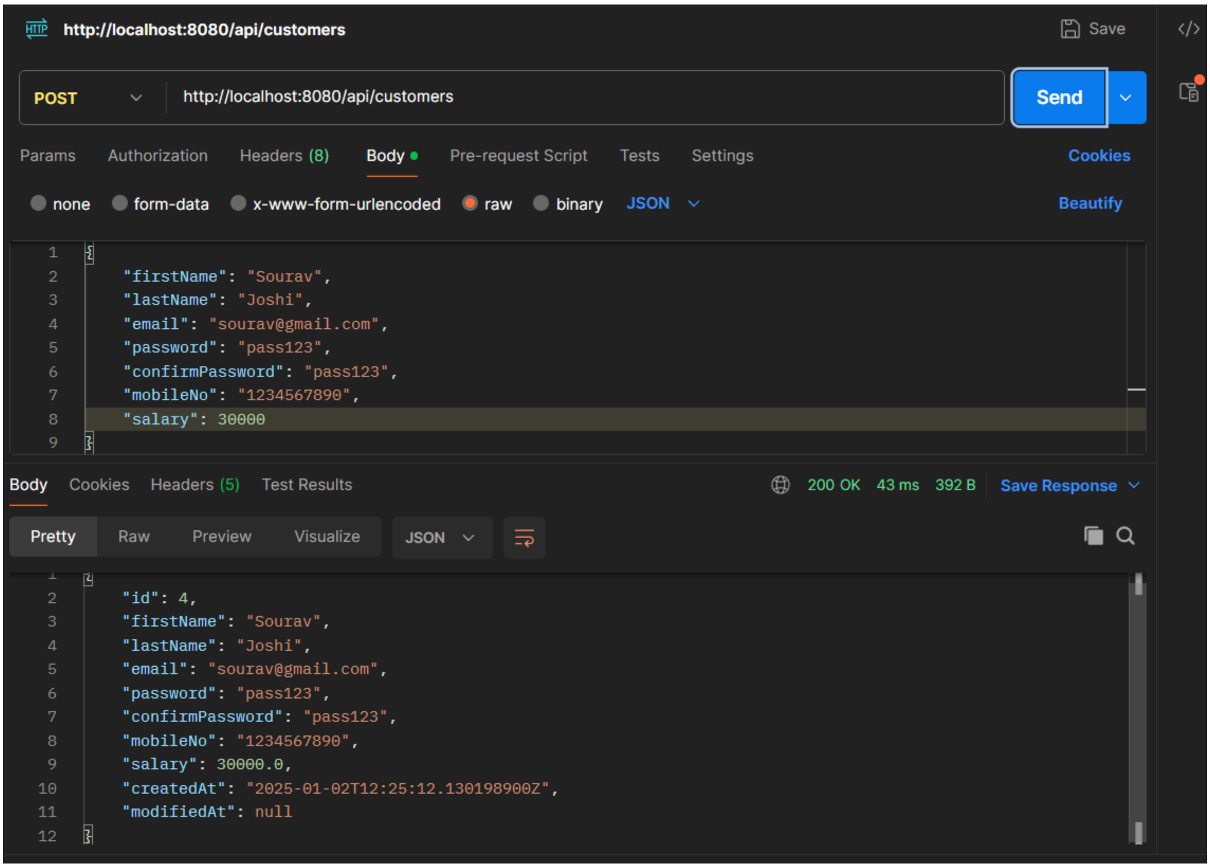


```java
    public String getPassword() {
        return password;
    }

    public void setPassword(String password) {
        this.password = password;
    }

    public String getConfirmPassword() {
        return confirmPassword;
    }

    public void setConfirmPassword(String confirmPassword) {
        this.confirmPassword = confirmPassword;
    }

    public String getMobileNo() {
        return mobileNo;
    }

    public void setMobileNo(String mobileNo) {
        this.mobileNo = mobileNo;
    }

    public double getSalary() {
        return salary;
    }

    public void setSalary(double salary) {
        this.salary = salary;
    }
```



```java

    public Instant getCreatedAt() {
        return createdAt;
    }

    public void setCreatedAt(Instant createdAt) {
        this.createdAt = createdAt;
    }

    public Instant getModifiedAt() {
        return modifiedAt;
    }

    public void setModifiedAt(Instant modifiedAt) {
        this.modifiedAt = modifiedAt;
    }

}

```

Output –



```
{
    "firstName": "Sourav",
    "lastName": "Joshi",
    "email": "sourav@gmail.com",
    "password": "pass123",
    "confirmPassword": "pass123",
    "mobileNo": "1234567890",
    "salary": 30000
}
```

```
{
    "id": 4,
    "firstName": "Sourav",
    "lastName": "Joshi",
    "email": "sourav@gmail.com",
    "password": "pass123",
    "confirmPassword": "pass123",
    "mobileNo": "1234567890",
    "salary": 30000.0,
    "createdAt": "2025-01-02T12:25:12.130198900Z",
    "modifiedAt": null
}
```