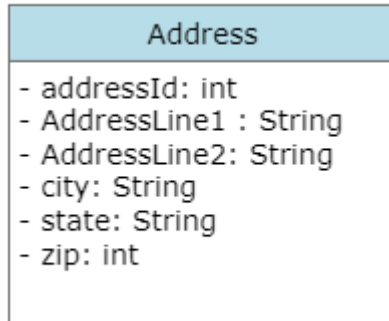1. Create custom init() and destroy() methods in Customer Bean. Use the init() method to validate if all phoneNumberList in the list starts with +91. If not add +91 to the phone number which is not prefixed with +91.

   Use destroy method to empty both phoneNumberList and emailAddressSet.

2. Create a class Address as per the class diagram below:

Address
- addressId: int
- AddressLine1 : String
- AddressLine2: String
- city: String
- state: String
- zip: int

   The relationship between Customer and Address class is One-To-One. Use manual wiring to inject the dependency of Address in Customer.

3. Use the class LoanAgreement created during the Java Day-2 Assignment. The relationship between Customer and LoanAgreement is One-To-Many. Create a List of LoanAgreements in the Customer class and inject the dependency of LoanAgreements in the Customer bean.

4. Add one more property in the class Customer as mentioned below:
       LocalDate dateOfBirth

   Use Property Editor to configure the property value once being assigned via setter Injection in XML configuration file

5. Repeat the Questions – 2 & 3 with Autowiring concept. Use all different types of autowiring. Also explain different types of auto-wiring modes with the help of demo code.

6. Change the custom init and destroy method created in Question-1 with @PostConstruct and @PreDestroy annotated methods.

7. Create a demo application showing all the methods called during Spring bean life cycle.