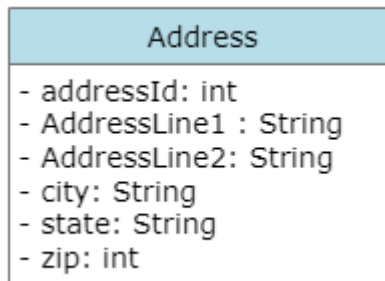1. In the entity Customer created on Day 1, add the below mentioned Data Members:

   List<String> phoneNumbers;

   Set<String> emailAdressSet;

   Create a program to perform CRUD operation on the Customer entity after adding these two data members.

2. Add a new Entity Address as per the below mentioned Class Diagram.

   Use Embeddable and Embedded to embed this address into Customer entity.

   Write an application to test the same and perform CRUD operation now.

3. Write demo code to use different strategies for Primary key generation in the Customer entity. Create separate program to demonstrate the same and explain with the help of comments what is the mechanism of every strategy, how they work.

4. Assuming, we don't have the customerId property in the Customer Entity and we need to define the primary key. Identify from the Customer entity created on Day 1, which combination can be treated as Primary key. Give reasons for your assumptions in comments in the code. Make composite primary key for both the attributes and show both types of strategies for Composite Primary Key creation.

   Perform CRUD operations on the given entity.