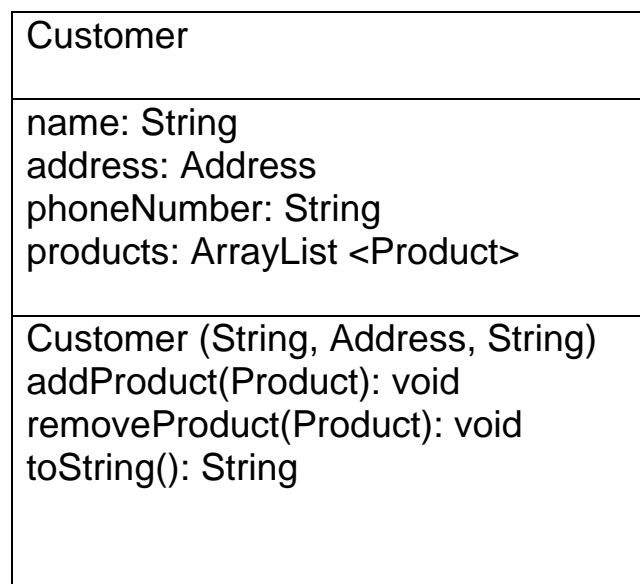Copy the file `CustomerTester.java` from blackboard. The code in this class will not compile or run until you complete all of the exercises in this Practical. You don't need to make any changes to `CustomerTester.java` at any point during this practical. It should compile and run when you complete the other exercises.

1. Based on the code in `CustomerTester.java` create an `Address` class. This class should include instance variables, a constructor, and a `toString()` method.

2. Based on the code in `CustomerTester.java` create a `Product` class. This class should include instance variables, a constructor, and a `toString()` method.

3. Based on the code in `CustomerTester.java` create a `Customer` class based on the below UML diagram.

```
Customer

name: String
address: Address
phoneNumber: String
products: ArrayList <Product>

Customer (String, Address, String)
addProduct(Product): void
removeProduct(Product): void
toString(): String
```

4. Compile and run the file `CustomerTester.java`. It should produce the following results:

```
Name      Mary Smith
Address   12 Main Street, Letterkenny, Co. Donegal, F93 CT45
Phone     087 4567891
Products 2
          LG 50 Inch TV 750.0 (12 months warranty)
          iPad Air 629.0 (24 months warranty)
```