

Phone Book

Design and implement a Java application to manage a phone-book containing contacts. Each contact is identified by first name, last name, and phone number.

- When the phone-book is created, it is associated to a name, which can be obtained through the **getName()** method.
- A new contact is added by means of the **add()** method, receiving three parameters: first name, last name, and phone number.
- The first contact of the phone book can be accessed through the **first()** method, returning a string representation of the contact (i.e., first name, last name, and phone number separated by a white space).
- Each contact is identified by its position in the list, according to insertion order. Therefore, contacts can be obtained by means of the **get()** method, which accepts one parameter (the requested index) and returns a textual representation of the entry (same format as previous method). Note that indexes start at 1, i.e., **first() == get(1)**.
- The whole phone-book can be converted to a string by means of **toString()** method. The resulting string concatenates the textual representation of each contact, separated by commas. The list of contacts is delimited by parentheses.
- Finally, **find()** method returns the textual representation of first-found contact in the phone-book, which contains the searched parameter in either first name, or last name, or phone number.