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Code of Part 1: Book.java

```
package Lab2b;

/* Comp3111LEx\Lab2b\Book.java
   Book class for Lab2 Exercise 2 */
public class Book {
    private String chapters[];
    private static final int DEFAULT_CHAPTERS = 10;

    public Book() {
        chapters = new String[DEFAULT_CHAPTERS];
        for (int i = 0; i < chapters.length; i++)
            chapters[i] = "n/a";
    }

    public Book (String argument[]) {
        // Initialize chapter array
        chapters = new String[argument.length];
        // Copy chapter title Strings from argument
        for (int i = 0; i < argument.length; i++)
            chapters[i] = argument[i];
    }

    public String getChapter(int i ) {
        return chapters[i];
    }

    public String[] getChapters() {
        return chapters;
    }
}
```

Code of Part 2: MobileComputer.java

```
package Lab2c;

/* Comp3111LEx\Lab2c\MobileComputer.java
   Inherits from Computer, class library for Lab2 Exercise 3 */

public class MobileComputer extends Computer implements Chargeable {
    private int battery;
    public MobileComputer() {
        secret = "MobileComputer secret";
        battery = 5;
    }
}
```

```
@Override
public void work() {
    if (battery > 0) {
        System.out.println("It is working on my lap.");
        battery--;
    } else
        System.out.println("Running out of battery");
}
@Override
public void charge() {
    if (battery < 10)
        battery++;
}
}
```

Explanation statement of part 2:

I edited MobileComputer class to implement Chargeable interface so that m can be passed into c.charge() in line 25 as charge() requires a Chargeable object. I also annotated MobileComputer.charge() to ensure it is an implementation of charge() in Chargeable interface.