```
abstract class Book {
    private final String title;
    private final String author;
    public static int count = 0;

    Book(String title, String author) {
        this.title = title;
        this.author = author;
        count++;
    }

    public String getTitle() {
        return title;
    }

    public String getAuthor() {
        return author;
    }

    public static int getCount() {
        return count;
    }
}

class FictionBook extends Book {
    public static int fictionCount = 0;

    FictionBook(String title, String author) {
        super(title, author);
```

```
        fictionCount++;
    }
}

class NonFictionBook extends Book {
    public static int nonFictionCount = 0;

    NonFictionBook(String title, String author) {
        super(title, author);
        nonFictionCount++;
    }
}

class HistoryBook extends NonFictionBook {
    public static int historyCount = 0;

    HistoryBook(String title, String author) {
        super(title, author);
        historyCount++;
    }
}

class StoryBook extends FictionBook {
    public static int storyCount = 0;

    StoryBook(String title, String author) {
        super(title, author);
        storyCount++;
    }
```

```
}

class Library {
    private final Book[] books;
    private int bookCount;

    Library() {
        books = new Book[100];
        bookCount = 0;
    }

    void addBook(String title, String author) {
        if (bookCount < 100) {
            Book book = new StoryBook(title, author);
            books[bookCount] = book;
            bookCount++;
        } else {
            System.out.println("Library is full");
        }
    }

    void removeBook(String title) {
        for (int i = 0; i < bookCount; i++) {
            if (books[i].getTitle().equals(title)) {
                for (int j = i; j < bookCount - 1; j++) {
                    books[j] = books[j + 1];
                }
                bookCount--;
                return;
```

```
            }
        }
    }

    void displayBooks() {
        for (int i = 0; i < bookCount; i++) {
            System.out.println("Title: " + books[i].getTitle() + ", Author: " + books[i].getAuthor());
        }
    }

    void displayBookCounts() {
        System.out.println("Total Books: " + Book.getCount());
        System.out.println("Fiction Books: " + FictionBook.fictionCount);
        System.out.println("Non-Fiction Books: " + NonFictionBook.nonFictionCount);
        System.out.println("History Books: " + HistoryBook.historyCount);
        System.out.println("Story Books: " + StoryBook.storyCount);
    }
}

public class Main {
    public static void main(String[] args) {
        Library library = new Library();
        library.addBook("To Kill a Mockingbird", "Harper Lee");
        library.addBook("1984", "George Orwell");
        library.addBook("The History of World War II", "John Keegan");
        library.displayBooks();
        library.removeBook("1984");
        library.displayBooks();
        library.displayBookCounts();
```

```
    }
}
```