

Book:

```
import java.util.Scanner;

class Book {

    String name, author;

    double price;

    int noPage;

    Book() {}

    Book(String name, String author, double price, int noPage) {

        this.name = name;

        this.author = author;

        this.price = price;

        this.noPage = noPage;

    }

    void setDetails() {

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter name of book: ");

        name = sc.nextLine();

        System.out.println("Enter author name: ");

        author = sc.nextLine();

        System.out.println("Enter price of book: ");

        price = sc.nextDouble();

        System.out.println("Enter number of pages: ");

        noPage = sc.nextInt();

    }

    void getDetails() {

        System.out.println("Name of book: " + name);

        System.out.println("Author: " + author);

        System.out.println("Price: " + price);

    }

}
```

```

        System.out.println("Number of pages: " + noPage);
    }

    public String toString() {
        return "Book name: " + name + "\n" + "Author: " + author + "\n" + "Price: " + price +
            "\n" + "Number of pages: " + noPage + "\n";
    }
}

class MyBook {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter number of books: ");

        int n = sc.nextInt();

        sc.nextLine();

        Book[] books = new Book[n];

        for (int i = 0; i < n; i++) {

            books[i] = new Book();

            System.out.println("Enter details for book " + (i + 1));

            books[i].setDetails();

            books[i].getDetails();

        }

        System.out.println("All book details: ");

        for (Book book : books) {

            System.out.println(book);

        }

    }
}

```

PROGRAM 3

Write a Java program to create a class Book which contains 4 members: name, author, price, & number of pages. Include a constructor to set values for members. Include a toString() method that could display complete details of the book. Create 5 book objects.

```
import java.util.Scanner;

class Book {
    String name; author;
    double price;
    int noPage;
    Book() {}
    Book(String name, String author, double price, int
        noPage) {}
    this.name = name;
    this.author = author;
    this.price = price;
    this.noPage = noPage;
}
```

```
void setDetails() {
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter the name of the book:");
    name = sc.nextLine();
    System.out.println("Enter the author's name:");
    author = sc.nextLine();
    System.out.println("Enter the price of the book:");
    price = sc.nextDouble();
    System.out.println("Enter number of pages:");
    noPage = sc.nextInt();
}
```

```
void getDetails() {
```

```
    System.out.println("Name of book: " + name);
    System.out.println("Author: " + author);
    System.out.println("Price: " + price);
    System.out.println("Number of pages: " + noPage);
}
```

```
public String toString() {
```

```
    return "Book name: " + name + " Author: " + author +
        " Price: " + price + " Number of pages: " + noPage;
}
```

```
class MyBook {
```

```
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter number of books:");
        int n = sc.nextInt();
        sc.nextLine();
        Book[] books = new Book[n];
        for (int i = 0; i < n; i++) {
            books[i] = new Book();
            System.out.println("Enter details for book " +
                (i+1));
            books[i].setDetails();
            books[i].getDetails();
        }
        System.out.println("All book details:");
        for (Book book : books) {
            System.out.println(book);
        }
    }
}
```

```
void getDetails() {
```

```
    System.out.println("Name of book: " + name);
    System.out.println("Author: " + author);
    System.out.println("Price: " + price);
    System.out.println("Number of pages: " + noPage);
}
```

```
public String toString() {
```

```
    return "Book name: " + name + " Author: " + author +
        " Price: " + price + " Number of pages: " + noPage;
}
```

```
class MyBook {
```

```
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter number of books:");
        int n = sc.nextInt();
        sc.nextLine();
        Book[] books = new Book[n];
        for (int i = 0; i < n; i++) {
            books[i] = new Book();
            System.out.println("Enter details for book " +
                (i+1));
            books[i].setDetails();
            books[i].getDetails();
        }
        System.out.println("All book details:");
        for (Book book : books) {
            System.out.println(book);
        }
    }
}
```