

Program 3

```
import java.util.Scanner;

class Book {
    String name;
    String author;
    double price;
    int numPages;

    public Book(String name, String author, double price, int numPages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getName() {
        return name;
    }

    public void setAuthor(String author) {
        this.author = author;
    }

    public String getAuthor() {
        return author;
    }

    public void setPrice(double price) {
```

```
    this.price = price;
}
```

```
public double getPrice() {
    return price;
}
```

```
public void setNumPages(int numPages) {
    this.numPages = numPages;
}
```

```
public int getNumPages() {
    return numPages;
}
```

```
@Override
```

```
public String toString() {
    return "Book Name: " + name + "\nAuthor: " + author + "\nPrice: " + price + "\nNumber of  
Pages: " + numPages;
}
}
```

```
class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.print("Enter the number of books: ");
        int n = sc.nextInt();
        sc.nextLine();

        Book[] books = new Book[n];

        for (int i = 0; i < n; i++) {
            System.out.println("\nEnter details for book " + (i + 1) + ":");
            System.out.print("Enter book name: ");
        }
    }
}
```

```
String name = sc.nextLine();
System.out.print("Enter author name: ");
String author = sc.nextLine();
System.out.print("Enter price: ");
double price = sc.nextDouble();
System.out.print("Enter number of pages: ");
int numPages = sc.nextInt();
sc.nextLine();
```

```
books[i] = new Book(name, author, price, numPages);
}
```

```
System.out.println("\nBook Details:");
for (int i = 0; i < n; i++) {
    System.out.println("\nBook " + (i + 1) + ":");
    System.out.println(books[i].toString());
}
```

```
sc.close();
```

```
}
```

```
}
```

Output

```
Enter the number of books: 2

Enter details for book 1:
Enter book name: Ramayana
Enter author name: Valmiki
Enter price: 400
Enter number of pages: 2000

Enter price: 400
Enter price: 400
Enter number of pages: 2000

Enter details for book 2:
Enter book name: Bhagavadgitha
Enter author name: Krishna
Enter price: 300
Enter number of pages: 3000

Book Details:

Book 1:
Book Name: Ramayana
Author: Valmiki
Price: 400.0
Number of Pages: 2000

Book 2:
Book Name: Bhagavadgitha
Author: Krishna
Price: 300.0
Number of Pages: 3000
```